

COMPÄSSO™ TRIM SYSTEMS

DESIGN GUIDE



IT'S YOUR WORLD. BUILD IT.®

OFFICES
SCHOOLS
RETAIL
ENTERTAINMENT



Architect: Crabtree, Rohrbaugh & Associates - Architects
Photo: © Crabtree, Rohrbaugh & Associates - Architects

Compäso™ Trim Systems and C² Paired Compäso Channels provide an elegant finishing touch that dresses up acoustical ceiling assemblies integrating lighting with eye-catching design elements. These unique ceiling accents combine dramatic styling and practicality to make a striking statement in retail spaces, contemporary offices, entertainment and gaming establishments, and education environments.

User's Guide

COMPASSO family of suspension trims creates a clean streamlined edge for floating acoustical ceiling assemblies and allows a smooth visual transition among multiple ceiling islands within a space.

	Page		Page	
Choose Your System	4	COMPASSO Standard This steel (10" & 12" aluminum) suspension trim with a durable baked-on polyester finish can accommodate all USG ceiling systems and has been the industry choice since its inception and introduction to the market more than a decade ago. In addition to its economy, COMPASSO Standard is a great value to accent any ceiling. It is a particularly good choice for open-cell grid ceilings because of its unobtrusive splices and grid clips. COMPASSO Standard is available in both engineered curved shapes as well as quick ship bulk cartons.	8	COMPASSO Elite Manufactured from up to 50% recycled aluminum, COMPASSO Elite provides cleaner, sharper lines that only an extrusion can provide. With its durable powder-coated finish, it presents elegance with its subtle reveal that will accent the look of any USG ceiling system to present a more refined aesthetic. COMPASSO Elite is available in both engineered curved shapes as well as quick ship bulk cartons.
	12	COMPASSO Slim Extruded from highly recycled aluminum, COMPASSO Slim transforms any USG Ceiling system into a sleek, plane terminated at the perimeter with a broad horizontal picture frame with mitered corners.	22	COMPASSO C² C ² Paired COMPASSO Channels are multi-functional design elements that easily integrate lighting and signage, and can be used as a way-finding device throughout a space. These unique ceiling accents combine practicality with dynamic styling for retail spaces, contemporary offices, entertainment
How		Design It Pre-engineered, any color, any shape, designed and packaged, ready to assemble Quick Ship, three colors		
Specify Your System	18 36	Design Your System Specify Your System		
For More Information		Technical Service 800 USG.4YOU Website usg.com		

Compasso Suspension Trim Systems

COMPASSO Trim Systems complement standard grid and tile by providing a finished edge whether it's curved or straight. The trimming concept allows for the creation of ceiling islands or fascias. It also lends visual excitement to any space, especially retail spaces, contemporary office environments, entertainment and gaming establishments, and education environments. Read on for details on how to design and specify COMPASSO Trim Systems in your next project.

Design Flexibility

COMPASSO Trim Systems are available in different trim heights and profiles custom manufactured to your design specifications. From the utility of COMPASSO Standard to the elegance of COMPASSO Elite, there is a trim system to meet your needs. For even greater design flair, consider either COMPASSO Slim horizontal trim or C² paired COMPASSO channels.

Functional Style

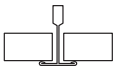
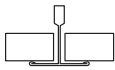
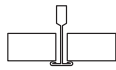
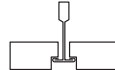
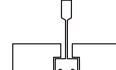
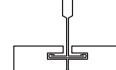
COMPASSO Trim Systems finish standard ceiling grid, panels, lighting, and air diffusers to create crisp edge conditions and unique floating islands. You can also create graceful, flowing arcs, curves, and circles. Use any USG suspension system and panel. Combine straight and curved pieces to form a ceiling perimeter of almost any size or shape you can imagine. Squares, triangles, rectangles, circles, ellipses. No problem.

Available Colors

COMPASSO Trim Systems are available in standard and custom colors and can be painted 360° when used with the GRIDWARE Suspension System to create open-cell ceilings. For help choosing a custom color, the Sherwin-Williams Color Answers Selector is a good reference.

System Options Overview

System Options		Heights						Quick Ship	Engineered	Advantage Colors*	Timbre™
		2"	4"	6"	8"	10"	12"				
COMPASSO Standard	● (2 1/4")	●	●	●	●	●	●	●	●	●	●
COMPASSO Elite	●	●	●	●	●	●		●	●	●	
COMPASSO Slim				●	●			●			
C² Paired COMPASSO Channels			●	●	●				●	●	●

Grid Profile Options		DX®/DXL™	DXW™	CENTRICITEE™ DXT	DX®/DXL™	CENTRICITEE™ DXLT	FINELINE®	DX®/DXL™ Concealed
								
COMPASSO Standard	●	●	●	●	●	●	●	●
COMPASSO Elite	●	●	●	●	●	●	●	
COMPASSO Slim	●	●	●	●	●	●	●	

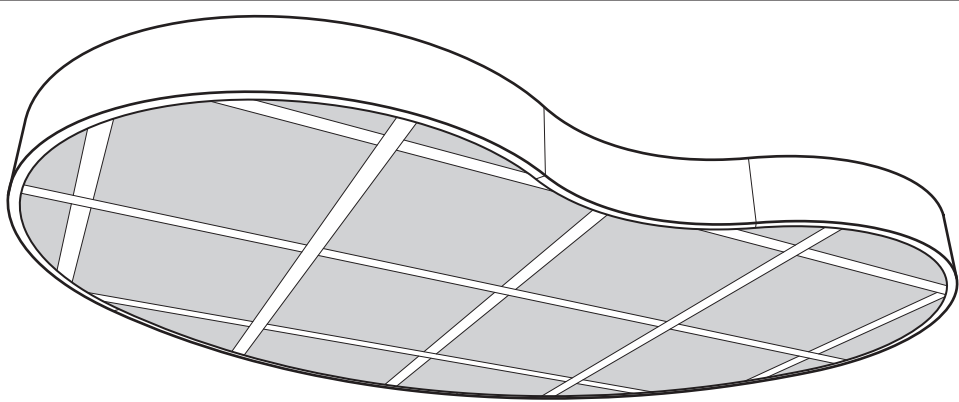
Recommended Applications		CELEBRATION®	True® Wood Linear	True® Wood Panels (including AR)	PARALINE®	Drywall	Open Cell GridWare™
		● **			●	●	●
COMPASSO Standard	● **						
COMPASSO Elite	● **						
COMPASSO Slim	● **						
True Wood Trim*			●	●			

*Refer to SC 2000 for choices.

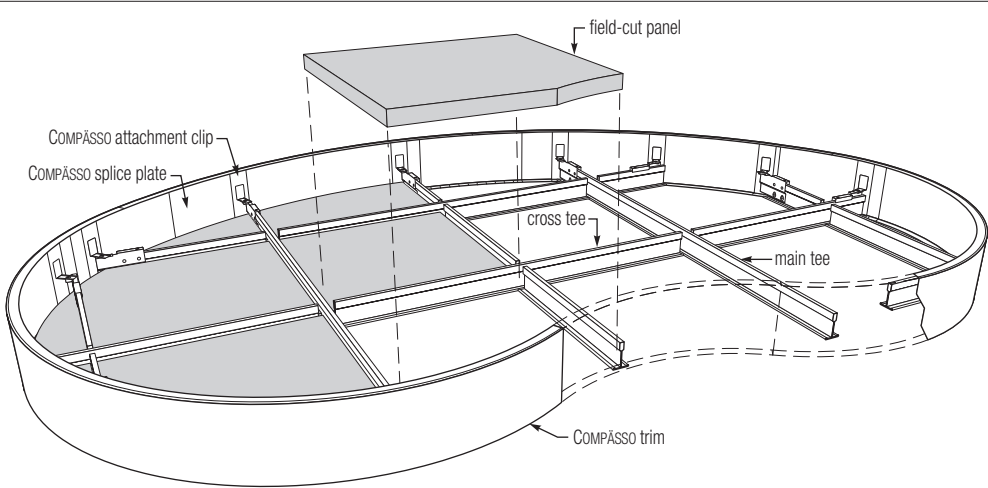
**CELEBRATION panels cannot be used with 2 1/4" COMPASSO Standard or 2" COMPASSO Elite.

System Overview

View from below

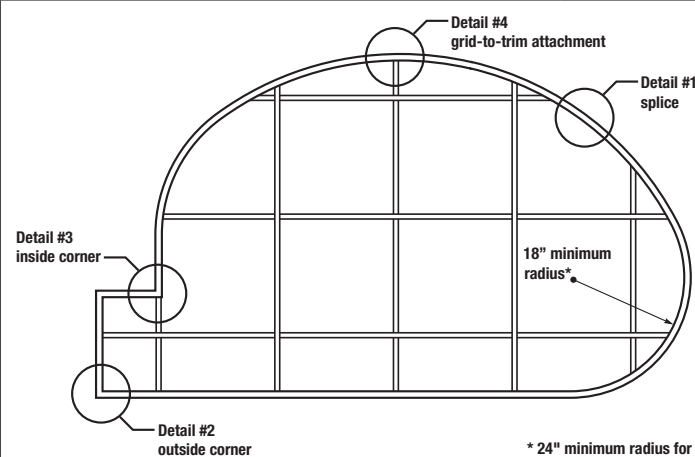


View from above



Layout Example

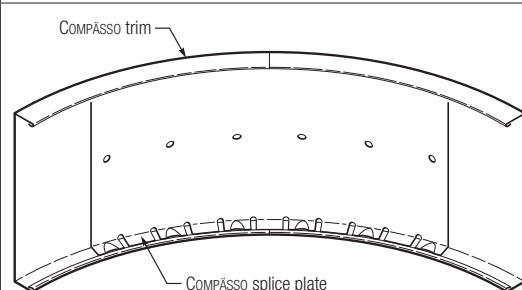
Custom-shaped Ceiling Island



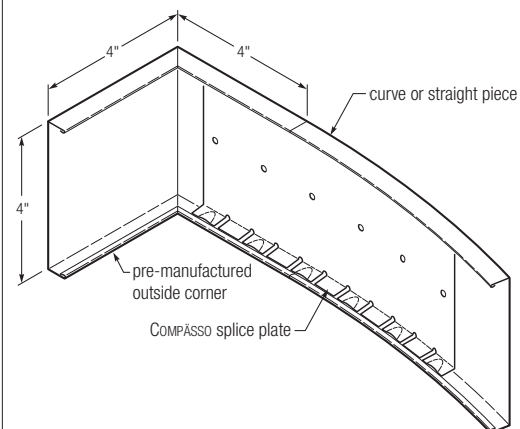
* 24" minimum radius for 10" & 12" Compasso Standard

Details

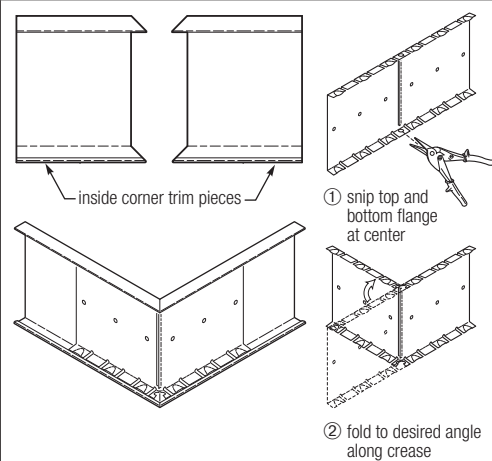
Detail No. 1—Curved Splice



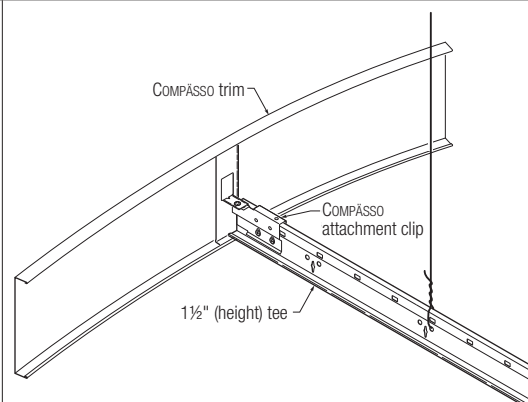
Detail No. 2—Corner to Straight/Curved Splice



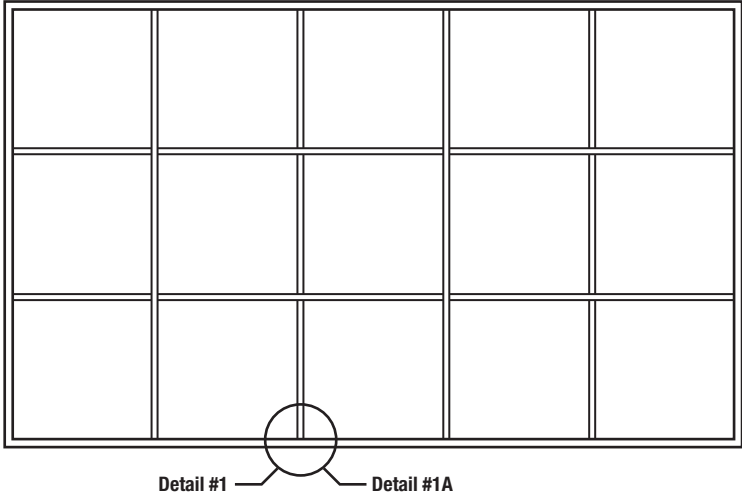
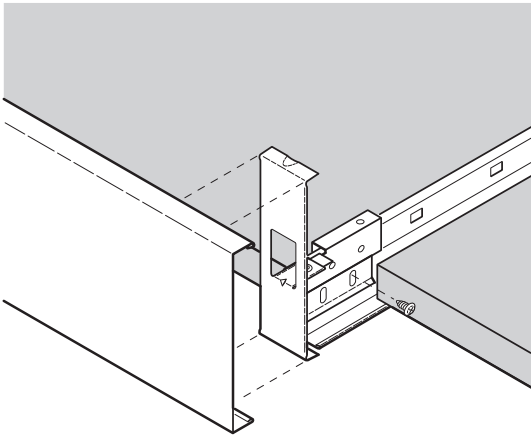
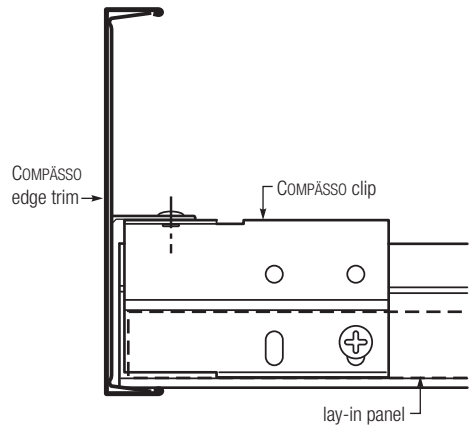
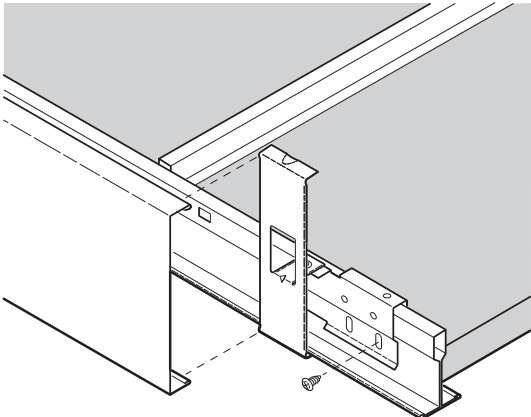
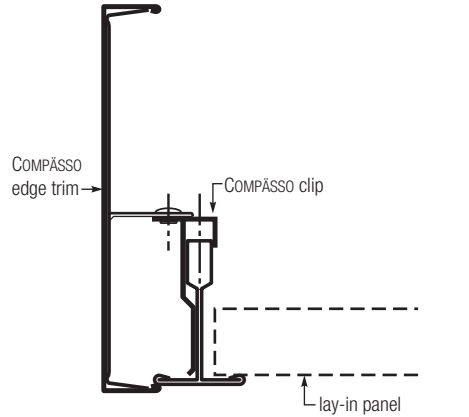
Detail No. 3—Inside Corner



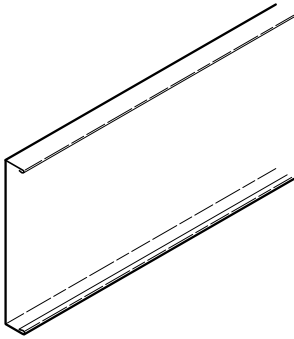
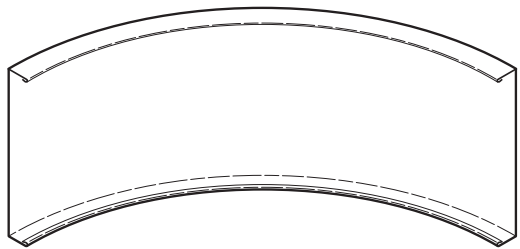
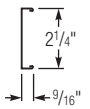
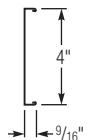
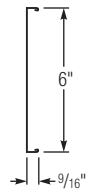
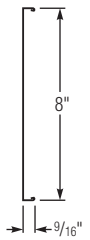
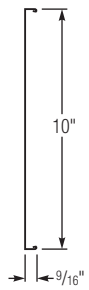
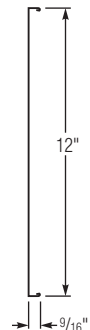
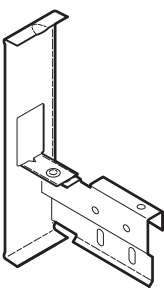
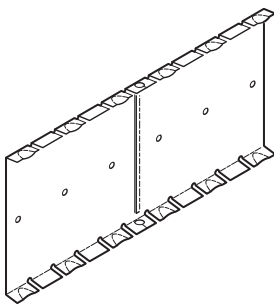
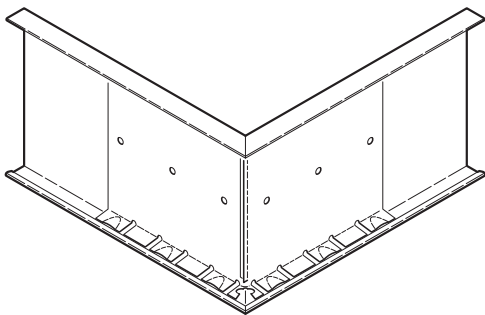
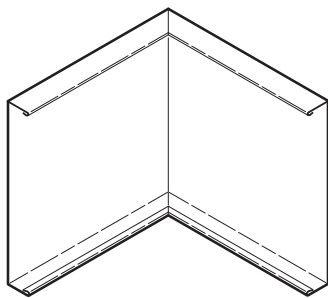
Detail No. 4—Grid to Trim Attachment



Applications

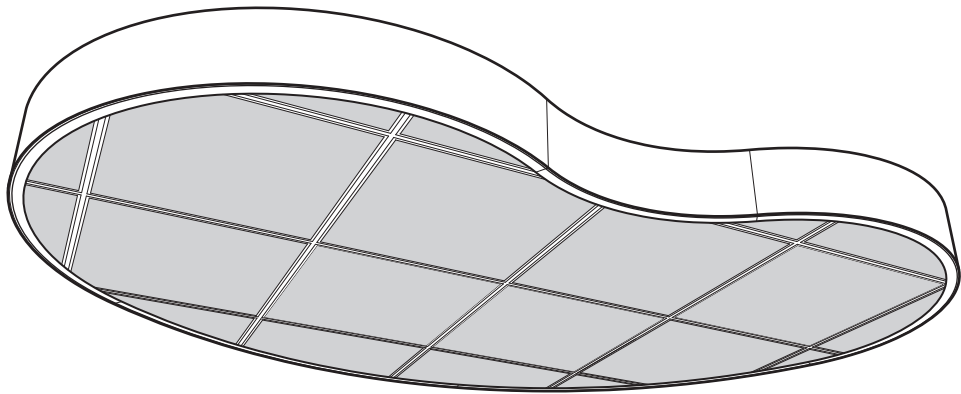
Layout Example	On-Module Ceiling Island	
	 Detail #1 Detail #1A	
Details	Detail No. 1—Edge Detail Capping Suspension Tee	Detail No. 1—Section
		 COMPASSO edge trim COMPASSO clip lay-in panel
	Detail No. 1A—Edge Detail Parallel to Suspension Tee	Detail No. 1A—Section
		 COMPASSO edge trim COMPASSO clip lay-in panel

Components

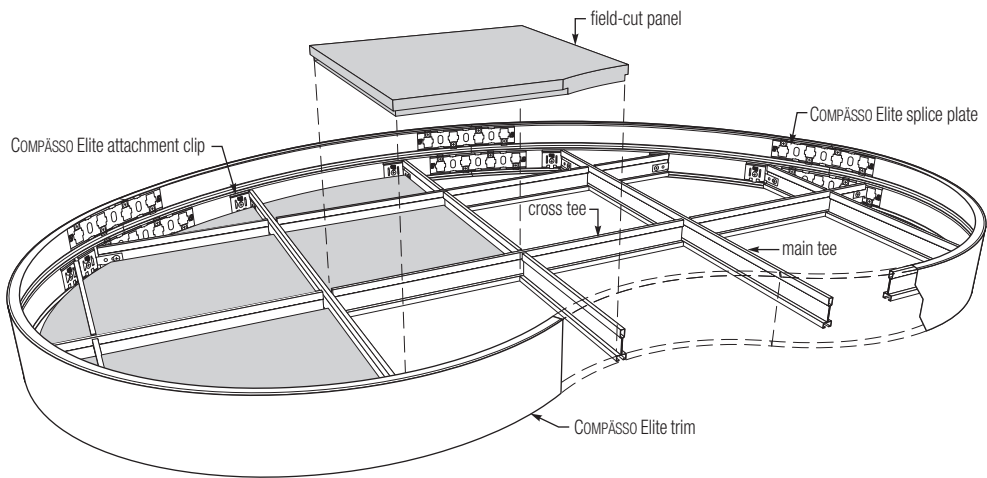
Trim Construction	Straight			Curved		
				18" minimum radius (24" minimum radius for 10" & 12" trim) 		
Trim Sizes	Section Views					
	2-1/4"	4"	6"	8"	10"	12"
						
Accessories	Attachment Clip			Splice		
						
	Inside Corner			Outside Corner		
						

System Overview

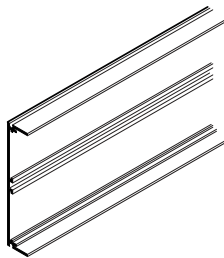
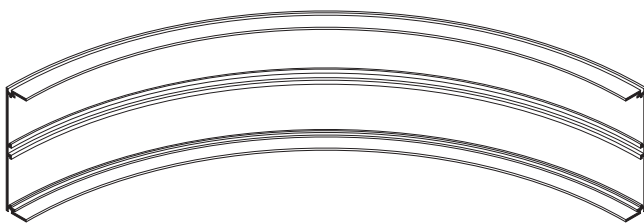
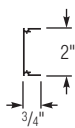
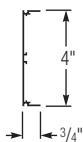
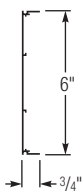
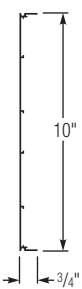
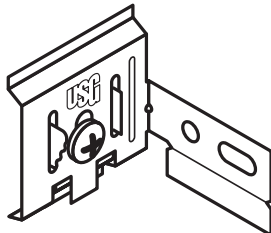
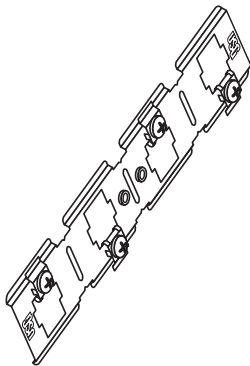
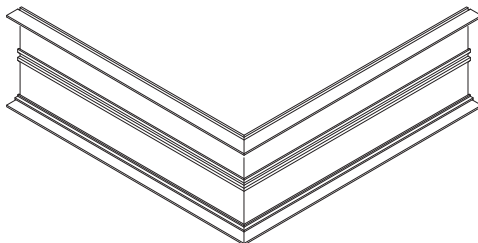
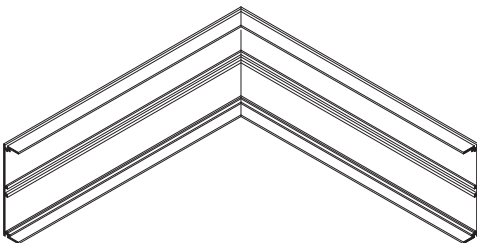
View from Below



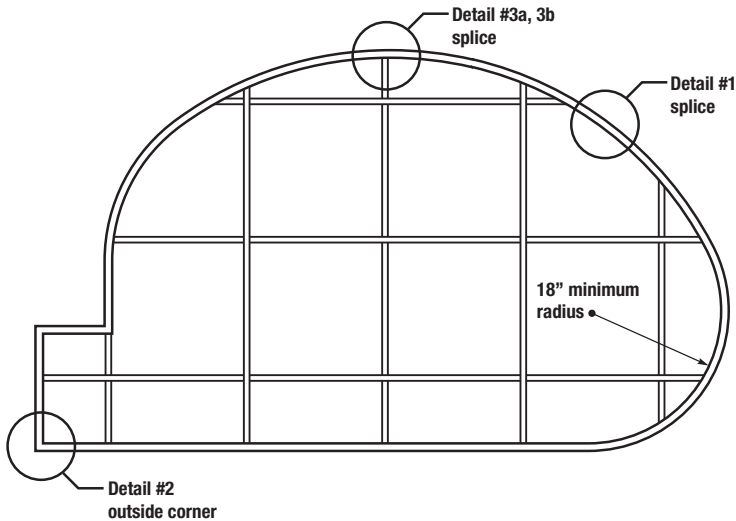
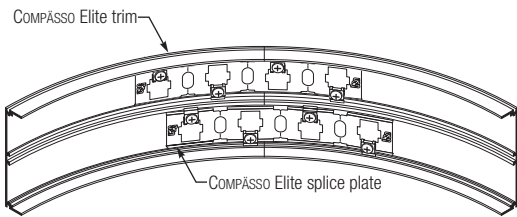
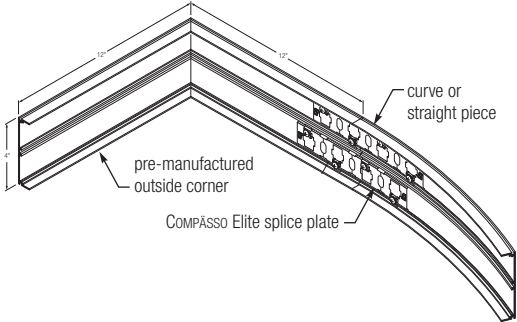
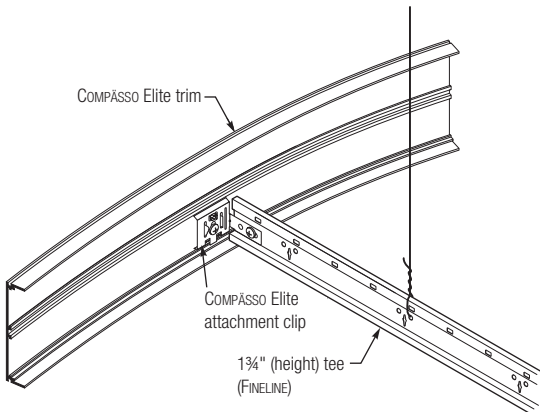
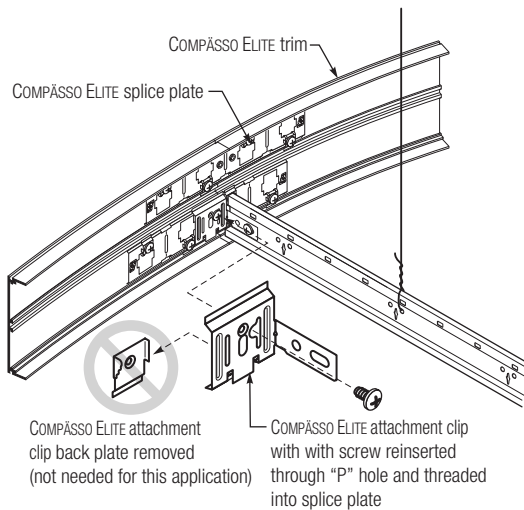
View from Above



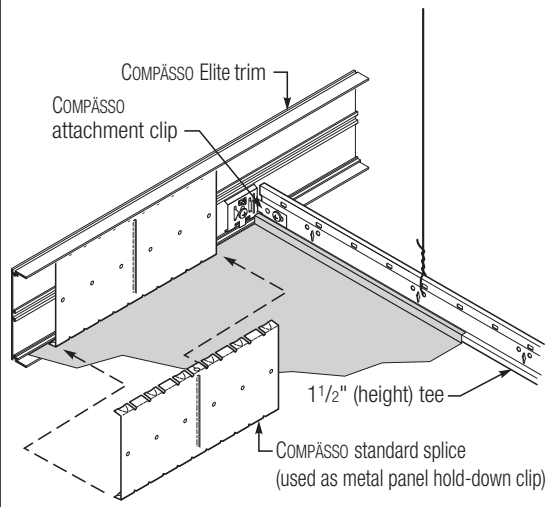
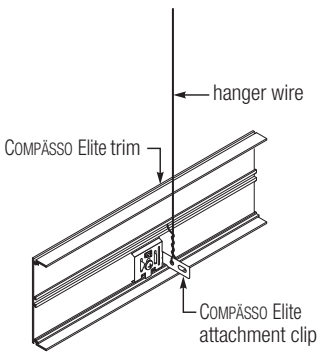
Components

Trim Construction	Straight		Curved		
					
Trim Sizes	Section Views				
	2"	4"	6"	8"	10"
					
Accessories	Attachment Clip		Splice Plate		
					
	Inside Corner			Outside Corner	
					

Applications

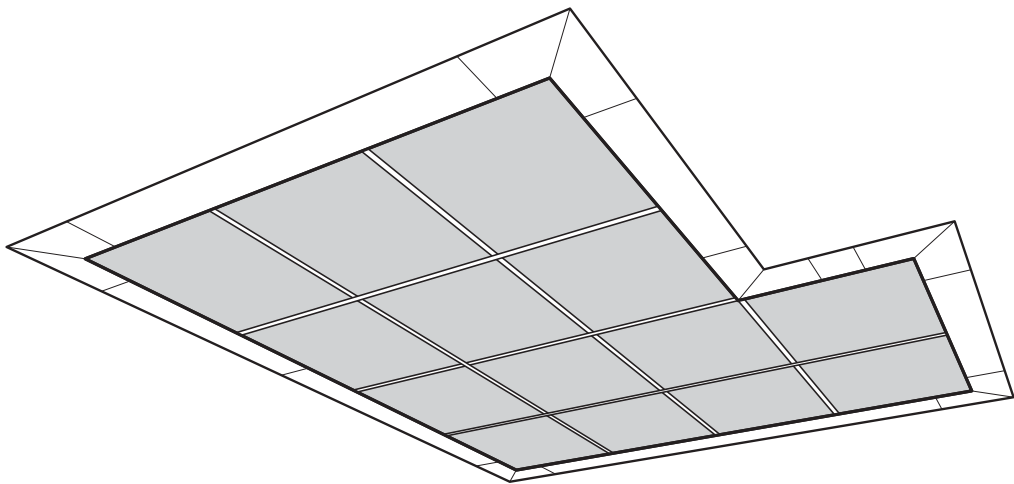
Layout Example	Custom-shaped Ceiling Island 	
Details	Detail No. 1—Curved Splice 	Detail No. 2—Corner to Straight/Curved Splice 
	Detail No. 3A— Grid to Trim Attachment 	Detail No. 3B— Grid to Trim Attachment w/ Splice Condition 

Installation Details

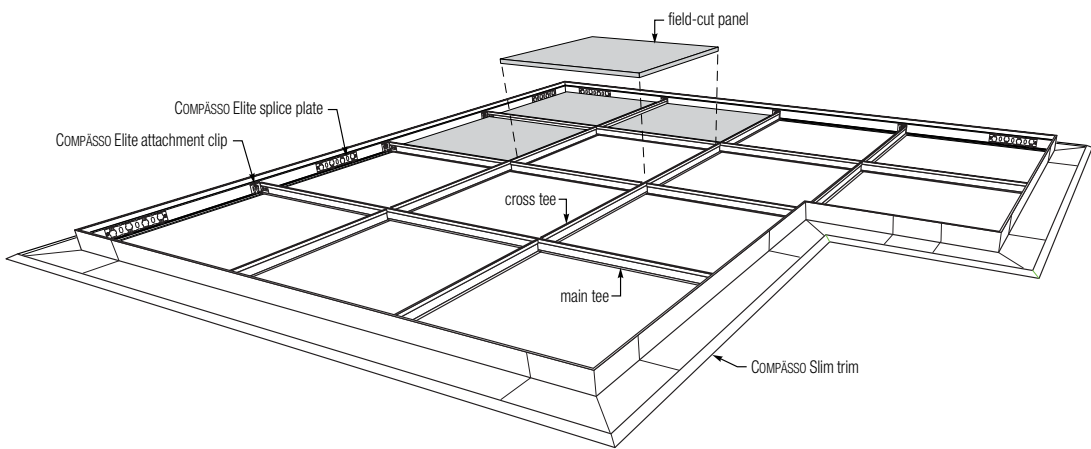
Cut Metal Panels	Cantilevered Trim Support
 COMPASSO Elite trim COMPASSO attachment clip 1 1/2" (height) tee COMPASSO standard splice (used as metal panel hold-down clip)	 hanger wire COMPASSO Elite trim COMPASSO Elite attachment clip

System Overview

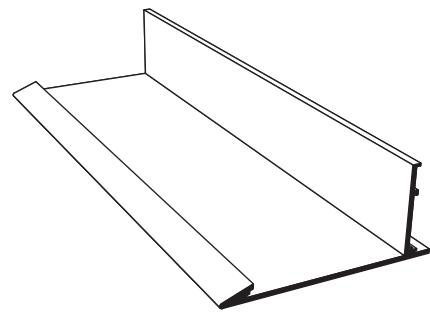
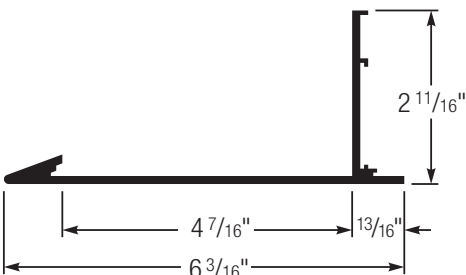
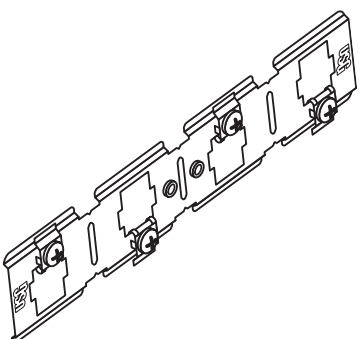
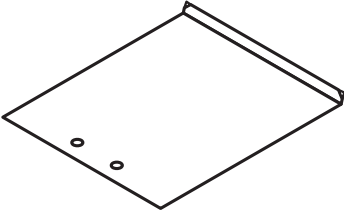
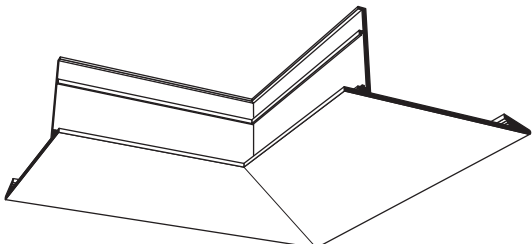
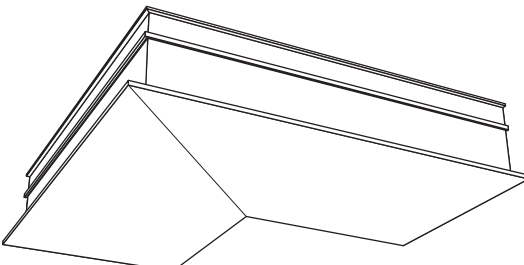
View from Below



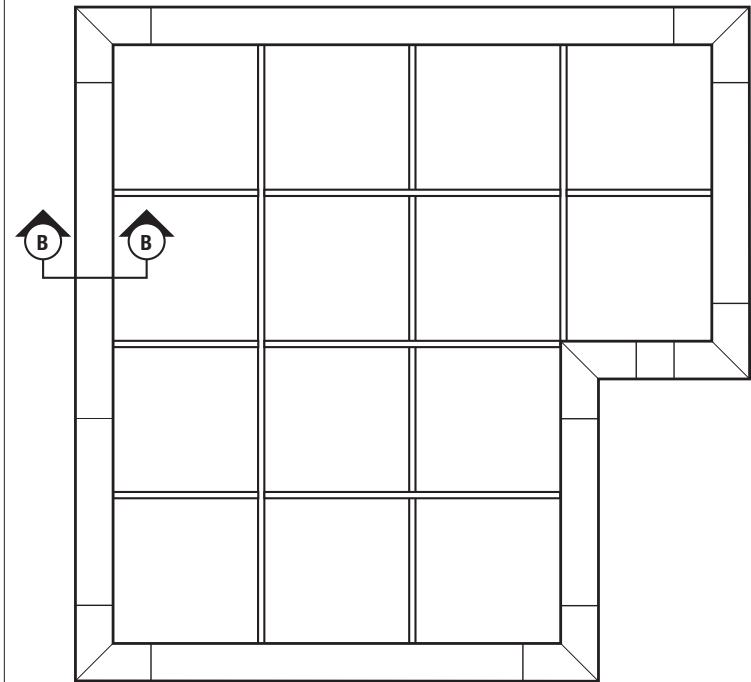
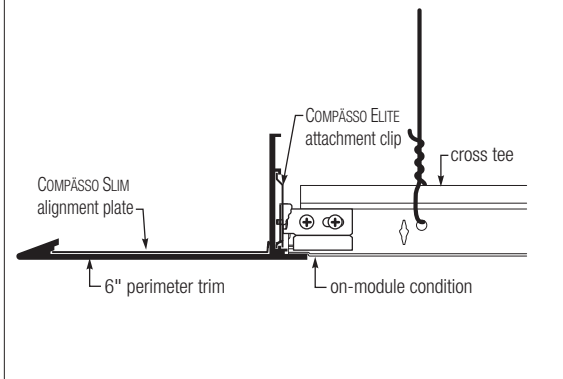
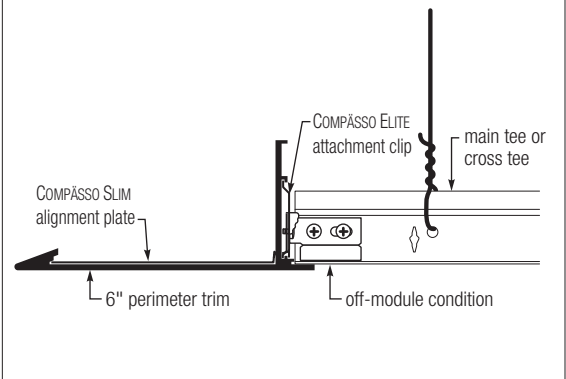
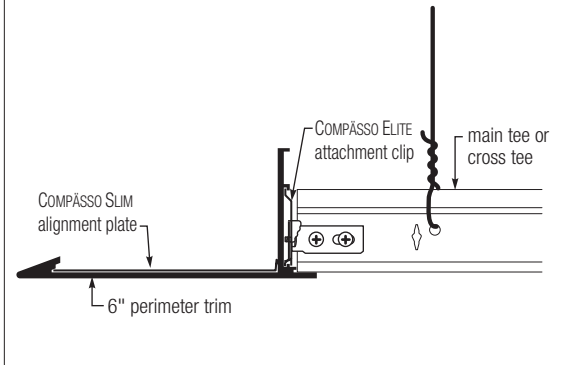
View from Above



Components

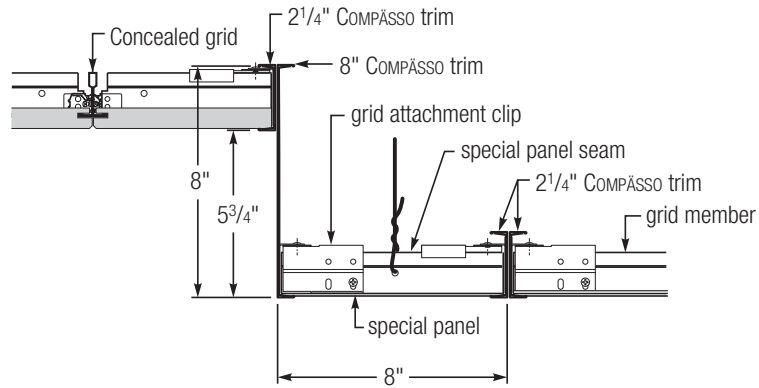
Trim Construction	Perspective	Section
		
Accessories	Splice	Alignment Plate
		
	Inside Corner	Outside Corner
		

Applications

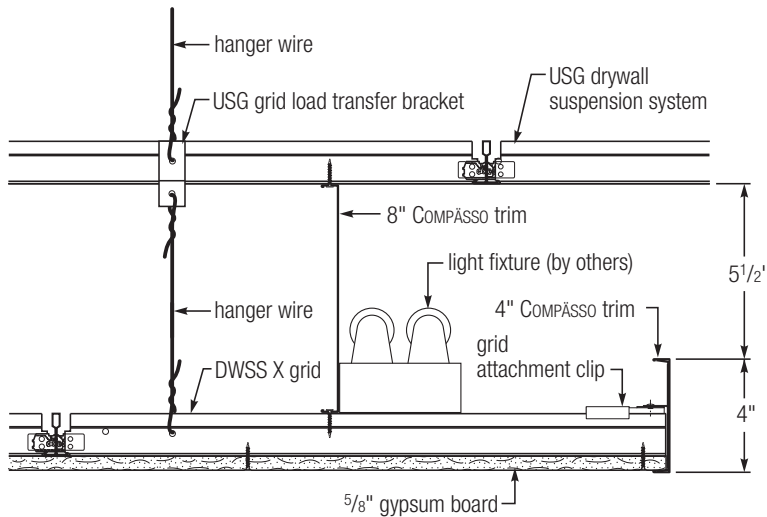
Layout Example	Custom-shaped Ceiling Island 	
Details	Detail B-B— Full Module at Perimeter 	Detail B-B— Fineline Grid 
	Detail B-B— Cut Module at Perimeter 	

Additional Application Details

Elevation Transition



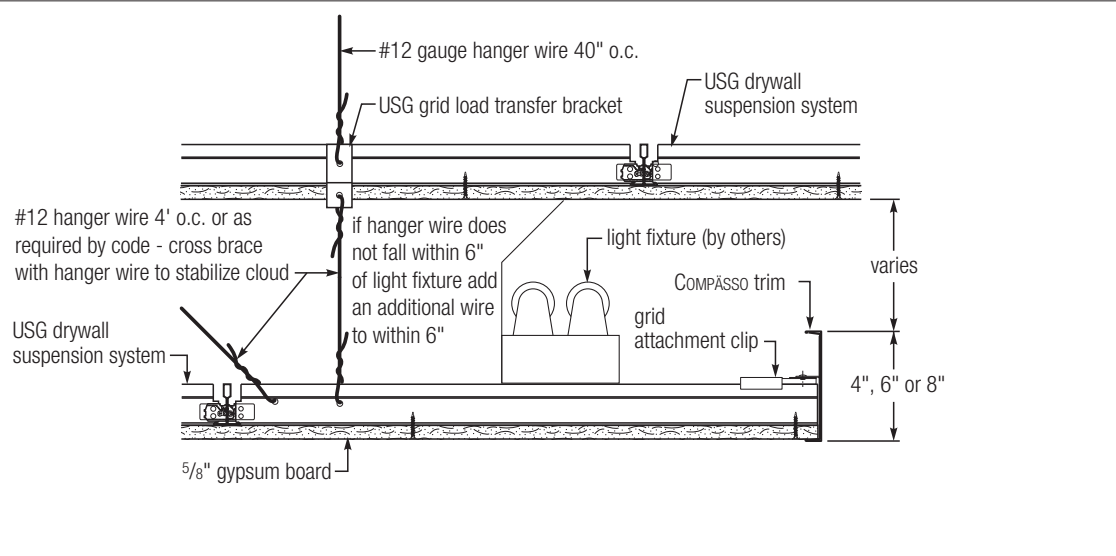
Light Cove with Reflector



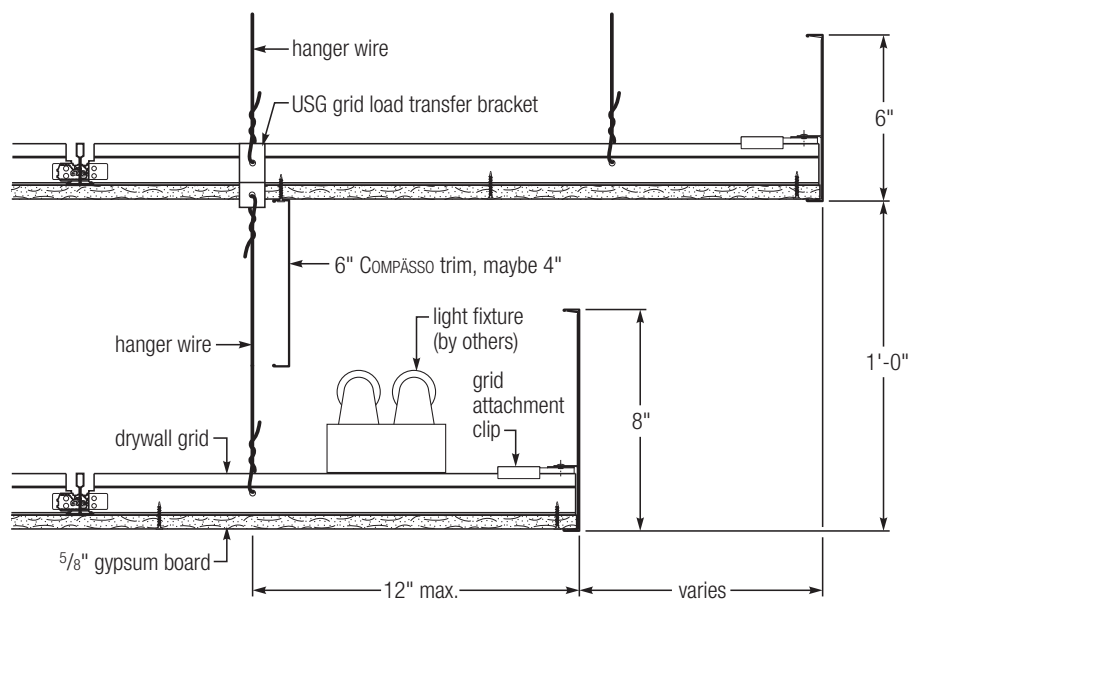
Note: Drywall solution only available with COMPASSO Standard.

Additional Application Details

Light Cove



Light Cove with Closure

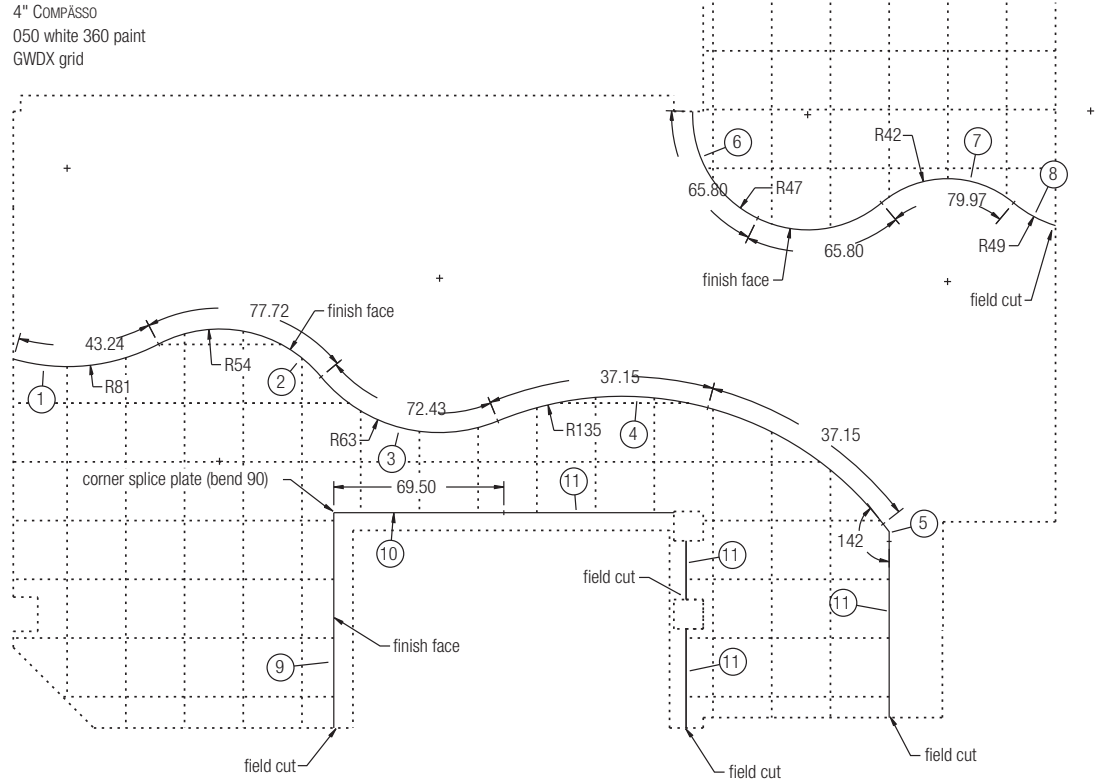


Note: Drywall solution only available with COMPASSO Standard.

Typical Installation Shop Drawing

Typical Shop Drawing — Engineered COMPASSO

4" COMPASSO
050 white 360 paint
GWDX grid



Area 1 COMPASSO Plan
scale 1/4" = 1'-0"
74.2 lin. ft.
36.08% straight COMPASSO

Berry College Krannert SE0-0915
3-9-01 sheet 3 of 4

Application Guide

Architectural Specifications

Note to specifier: The following specification for the COMPASSO Standard suspension trim system is a guide in the preparation of a project specification for an interior nonfire-rated trimmed ceiling island or fascia. Delete such items that are not related to the particular project. Where blank spaces occur, provide information incidental to the particular project for which the specification is prepared.

The International System of Units (Metric Units) is available on request.

Section 13 _____.

Part 1: General

1.01 Description of Work

- A. Related work specified elsewhere:
 - 1. Insulation: Section _____.
 - 2. Mechanical equipment: Section _____.
 - 3. Electrical: Section _____.
 - 4. Gypsum board systems: Section _____.
 - 5. Acoustical ceilings: Section _____.
- B. Work installed but furnished under other sections: _____.
- C. Work furnished but installed under other sections: _____.

1.02 System Description

- A. Edge trim system for suspended ceiling system, consisting of (2-1/4" x 9/16") (4" x 9/16") (6" x 9/16") (8" x 9/16") (10" x 9/16") (12" x 9/16") metal pans curved to inside and outside radii per drawing supplied by architect. Attachment to grid system is provided by a specially designed COMPASSO Standard attachment clip, which snaps into and locks against hems of COMPASSO trim and is screw-attached to the bulb of the intersecting DOWN suspension system member. Independent sections of trim are joined together using the COMPASSO Standard splice plate.

1.03 Quality Assurance

- A. Subcontractor qualifications: Installer shall have not less than three years of successful experience in the installation of ceiling systems on projects with requirements similar to requirements specified.
- B. Requirements of regulatory agencies: Codes and regulations of authorities having jurisdiction.
- C. Source quality control:
 - 1. Test reports: Manufacturer will provide test certification for minimum requirements as tested in accordance with applicable industry standards and/or to meet performance standards specified by various agencies.
 - 2. Changes from system: System performance following any substitution of materials or change in assembly design must be certified by the manufacturer.

1.04 References

- A. ASTM C635: Standard specifications for metal suspension systems for acoustical tile and lay-in panel ceilings.
- B. ASTM C636: Recommended practice for installation of metal suspension systems for acoustical tile and lay-in panel ceilings.
- C. Cisca Ceiling Systems Installation Handbook.

1.05 Submittals

- A. Samples: Submit representative sample of color and finish of all exposed materials.
- B. Shop drawings:
 - 1. Reflected ceiling plans: Indicate layout arrangement of ceiling design, dimensions and locations of related integrated lighting and air distribution components.
 - 2. Installation drawings: Detail complete installation including all trim pieces, attachment clips, splice plates and corner pieces, installation of related lighting and air distribution components, access requirements, and sound absorption requirements.
 - 3. Manufacturer's data: Submit manufacturer's catalog cuts or standard drawings showing details of system with project conditions clearly identified and manufacturer's recommended installation instructions.
 - 4. Maintenance materials: Submit one percent of amount of ceiling components installed.

	1.06 Delivery, Storage and Handling	A. Delivery of materials: Deliver materials in original, unopened packages clearly labeled with the manufacturer's name and identification numbers. B. Inspection: Promptly inspect delivered materials, file freight claims for damage during shipment, and order replacement material, as required. C. Storage: Store in manner that will prevent warpage, scratches or damage of any kind. D. Handling: Handle in such a manner as to ensure against racking, distortion or physical damage of any kind.
	1.07 Project Conditions	A. Existing conditions: (Include specific alteration work requirements for project.) B. Environmental requirements: Building shall be enclosed with windows and exterior doors in place and glazed, and roof watertight before installation of ceiling system and related ceiling components. Climactic condition range of 60 °F (15.56 °C) to 85 °F (29.44 °C); relative humidity not more than 70%. C. Coordination with other work: 1. Mechanical work: Ductwork above ceiling shall be complete, and permanent heating and cooling systems operating to climate conditions prior to installation of ceiling components. 2. Electrical work: Installation of conduit above ceiling shall be complete before installation of ceiling components. 3. Fire protection work: Fire protection lines and/or equipment occurring above ceiling shall be completed and tested before ceiling components are installed. D. Protection: Protect completed work above ceiling system from damage during installation of ceiling components.
	Part 2: Products	
	2.01 Manufacturer	COMPASSO Standard suspension trim for use with any standard DONN® suspension system as manufactured by USG Interiors, Inc., Chicago, Illinois, U.S.A.
	2.02 Materials (Delete items not applicable)	A. 2-1/4" COMPASSO Standard system 1. 2-1/4" COMPASSO Standard trim: 2-1/4" wide face, 9/16" horizontal legs with hems formed for attachment to the COMPASSO Standard mounting clip; commercial quality cold-rolled 24-gauge steel, factory finished in (baked enamel paint finish) () color. 2. Splice plate: steel in finish to match trim pans; formed for snap-fit into 2-1/4" pan ends. 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 2-1/4" pan and attached to DONN (DX®) (DXW™) (CENTRICITEE™) (FINELINE®) (USG Drywall Suspension System) suspension system members. 4. 90° corner trim pieces: to match COMPASSO trim. B. 4" COMPASSO Standard system 1. 4" COMPASSO Standard trim: 4" wide face, 9/16" horizontal legs with hems formed for attachment to the COMPASSO Standard mounting clip; commercial quality cold-rolled 24-gauge steel, factory finished in (baked enamel paint finish) () color. 2. Splice plate: steel in finish to match trim pans; formed for snap-fit into 4" pan ends. 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 4" pan and attached to DONN (DX) (DXW) (CENTRICITEE) (FINELINE) (USG Drywall Suspension System) suspension system members. 4. 90° corner trim pieces: to match COMPASSO Standard trim.

Application Guide

Architectural Specifications

- C. 6" COMPASSO Standard system
 - 1. 6" COMPASSO Standard trim: 6" wide face, 9/16" horizontal legs with hems formed for attachment to the COMPASSO Standard mounting clip; commercial quality cold-rolled 24-gauge steel, factory finished in (baked enamel paint finish) () color.
 - 2. Splice plate: steel in finish to match trim pans; formed for snap-fit into 6" pan ends.
 - 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 6" pan and attached to DONN (DX) (DXW) (CENTRICITEE) (FINELINE) (USG Drywall Suspension System) suspension system members.
 - 4. 90° corner trim pieces: to match COMPASSO Standard trim.
- D. 8" COMPASSO Standard system
 - 1. 8" COMPASSO Standard trim: 8" wide face, 9/16" horizontal legs with hems formed for attachment to the COMPASSO Standard mounting clip; commercial quality cold-rolled 24-gauge steel, factory finished in (baked enamel paint finish) () color.
 - 2. Splice plate: steel in finish to match trim pans; formed for snap-fit into 8" pan ends.
 - 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 8" pan and attached to DONN (DX) (DXW) (CENTRICITEE) (FINELINE) (USG Drywall Suspension System) suspension system members.
 - 4. 90° corner trim pieces: to match COMPASSO Standard trim.
- E. 10" COMPASSO Standard system
 - 1. 10" COMPASSO Standard trim: 10" wide face, 9/16" horizontal legs with hems formed for attachment to the COMPASSO mounting clip; aluminum, factory finished in (baked enamel paint finish) () color.
 - 2. Splice plate: steel in finish to match trim pans; formed for snap-fit into 10" pan ends.
 - 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 10" pan and attached to DONN (DX) (DXW) (CENTRICITEE) (FINELINE) (USG Drywall Suspension System) suspension system members.
 - 4. 90° corner trim pieces: to match COMPASSO Standard trim.
- F. 12" COMPASSO Standard system
 - 1. 12" COMPASSO Standard trim: 12" wide face, 9/16" horizontal legs with hems formed for attachment to the COMPASSO Standard mounting clip; aluminum, factory finished in (baked enamel paint finish) () color.
 - 2. Splice plate: steel in finish to match trim pans; formed for snap-fit into 12" pan ends.
 - 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 12" pan and attached to DONN (DX) (DXW) (CENTRICITEE) (FINELINE) (USG Drywall Suspension System) suspension system members.
 - 4. 90° corner trim pieces: to match COMPASSO Standard trim.
- G. For specific project details and bill of materials see USG Interiors Drawing No. RTQ - _____ (provided by USG Interiors sales representative).

2.03 Fabrication

- A. Trim pans: Edges formed to snap onto attachment clips and provide positive mechanical lock with no visible fasteners. Factory finished to match approved samples.
- B. Splice plates: Formed to snap into and provide positive lock between abutting pans with no visible fasteners. Factory finished to match trim pans.
- C. Mounting clips: Formed to snap into trim pans and provide positive mechanical lock with no visible fasteners while providing a variable angle, screw-fastened connection to suspension members which intersect the trim.

Part 3: Execution	3.01 Inspection	A. Examine areas to receive trim system for conditions which will adversely affect installation. B. Do not start work until unsatisfactory conditions are corrected. C. Work to be concealed: Verify work above support system is complete, tested, and installed in manner which will not affect layout and installation of ceiling system. D. Fire-rated assembly: Construction above ceiling system shall meet requirements as applicable to provide fire-resistance rating specified.
	3.02 Preparation	A. Field dimensions: Installer must verify actual field dimensions prior to installation. B. Renovation work: Installing contractor shall verify that existing ceiling structure is adequate to support additional COMPASSO Standard ceiling suspension requirement. C. Coordination: Coordinate and schedule installation of ceiling system with work of other trades affected by this installation, with particular attention given to mechanical and electrical work required to be installed and operating before ceiling work can begin.
	3.03 Installation	A. Reference: Install in accordance with approved shop drawings and manufacturer's instructions. Follow architects' details for thermal and building expansion joint treatments. B. Hanger wires: 1. Spacing: Space hanger wires maximum 48" o.c. along length of carrier system, attached directly to structure above. 2. Limitation: Do not support hanger wires from mechanical and/or electrical equipment, piping, or other equipment occurring above ceiling. 3. Provide additional fixture support as required in accordance with local building codes or other regulatory agencies. C. COMPASSO Standard system: Install according to procedure provided by manufacturer and in accordance with approved shop drawings. 1. Perimeter connection detail (recommended) (optional). D. Lighting components: Refer to Section 16 _____. E. Air distribution components: Refer to Section 15 _____.
	3.04 Field Quality Control	A. Deflection on installed system: Maximum deflection shall not exceed 1/360 of the span.

Application Guide

Architectural Specifications

Note to specifier: The following specification for the COMPASSO Elite suspension trim system is a guide in the preparation of a project specification for an interior nonfire-rated trimmed ceiling island or fascia. Delete such items that are not related to the particular project. Where blank spaces occur, provide information incidental to the particular project for which the specification is prepared.

The International System of Units (Metric Units) is available on request.

Section 13 _____.

Part 1: General

1.01 Description of Work

- A. Related work specified elsewhere:
 - 1. Insulation: Section _____.
 - 2. Mechanical equipment: Section _____.
 - 3. Electrical: Section _____.
 - 4. Gypsum board systems: Section _____.
 - 5. Acoustical ceilings: Section _____.
- B. Work installed but furnished under other sections: _____.
- C. Work furnished but installed under other sections: _____.

1.02 System Description

- A. Edge trim system for suspended ceiling system, consisting of (2" x 3/4") (4" x 3/4") (6" x 3/4") (8" x 3/4") (10" x 3/4") metal pans curved to inside and outside radii per drawing supplied by architect. Attachment to grid system is provided by a specially designed COMPASSO Elite attachment clip, which screw attaches to and locks against the bosses of COMPASSO Elite trim and is screw-attached to the bulb of the intersecting DOWN suspension system member. Independent sections of trim are joined together using the COMPASSO Elite splice plate.

1.03 Quality Assurance

- A. Subcontractor qualifications: Installer shall have not less than three years of successful experience in the installation of ceiling systems on projects with requirements similar to requirements specified.
- B. Requirements of regulatory agencies: Codes and regulations of authorities having jurisdiction.
- C. Source quality control:
 - 1. Test reports: Manufacturer will provide test certification for minimum requirements as tested in accordance with applicable industry standards and/or to meet performance standards specified by various agencies.
 - 2. Changes from system: System performance following any substitution of materials or change in assembly design must be certified by the manufacturer.

1.04 References

- A. ASTM C635: Standard specifications for metal suspension systems for acoustical tile and lay-in panel ceilings.
- B. ASTM C636: Recommended practice for installation of metal suspension systems for acoustical tile and lay-in panel ceilings.
- C. Cisca Ceiling Systems Installation Handbook.

1.05 Submittals

- A. Samples: Submit representative sample of color and finish of all exposed materials.
- B. Shop drawings:
 - 1. Reflected ceiling plans: Indicate layout arrangement of ceiling design, dimensions and locations of related integrated lighting and air distribution components.
 - 2. Installation drawings: Detail complete installation including all trim pieces, attachment clips, splice plates and corner pieces, installation of related lighting and air distribution components, access requirements, and sound absorption requirements.
 - 3. Manufacturer's data: Submit manufacturer's catalog cuts or standard drawings showing details of system with project conditions clearly identified and manufacturer's recommended installation instructions.
 - 4. Maintenance materials: Submit one percent of amount of ceiling components installed.

Part 2: Products	1.06 Delivery, Storage and Handling	A. Delivery of materials: Deliver materials in original, unopened packages clearly labeled with the manufacturer's name and identification numbers. B. Inspection: Promptly inspect delivered materials, file freight claims for damage during shipment, and order replacement material, as required. C. Storage: Store in manner that will prevent warpage, scratches or damage of any kind. D. Handling: Handle in such a manner as to ensure against racking, distortion or physical damage of any kind.
	1.07 Project Conditions	A. Existing conditions: (Include specific alteration work requirements for project.) B. Environmental requirements: Building shall be enclosed with windows and exterior doors in place and glazed, and roof watertight before installation of ceiling system and related ceiling components. Climactic condition range of 60 °F (15.56 °C) to 85 °F (29.44 °C); relative humidity not more than 70%. C. Coordination with other work: 1. Mechanical work: Ductwork above ceiling shall be complete, and permanent heating and cooling systems operating to climate conditions prior to installation of ceiling components. 2. Electrical work: Installation of conduit above ceiling shall be complete before installation of ceiling components. 3. Fire protection work: Fire protection lines and/or equipment occurring above ceiling shall be completed and tested before ceiling components are installed. D. Protection: Protect completed work above ceiling system from damage during installation of ceiling components.
	2.01 Manufacturer	COMPASSO Elite suspension trim for use with any standard DONN® suspension system as manufactured by USG Interiors, Inc., Chicago, Illinois, U.S.A.
	2.02 Materials (Delete items not applicable)	A. 2" COMPASSO Elite system 1. 2" COMPASSO Elite trim: 2" wide face, 3/4" horizontal legs with bosses extruded for attachment to the COMPASSO Elite attachment clip; extruded aluminum, factory powder coated. () color. 2. Splice plate: steel in finish to match trim; formed for snap-fit into 2" pan ends. 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match trim) formed for snap-fit into 2" trim and attached to DONN (DX®) (DXW™) (CENTRICITEE™) (FINELINE®) (USG Drywall Suspension System) suspension system members. 4. 90° corner trim pieces: to match COMPASSO Elite trim. B. 4" COMPASSO Elite system 1. 4" COMPASSO Elite trim: 4" wide face, 3/4" horizontal legs with bosses extruded for attachment to the COMPASSO Elite attachment clip; extruded aluminum, factory powder coated. () color. 2. Splice plate: steel in finish to match trim; formed for snap-fit into 4" pan ends. 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 4" trim and attached to DONN (DX) (DXW) (CENTRICITEE) (FINELINE) (USG Drywall Suspension System) suspension system members. 4. 90° corner trim pieces: to match COMPASSO Elite trim.

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- C.** 6" COMPASSO Elite system
 - 1. 6" COMPASSO Elite trim: 6" wide face, 3/4" horizontal legs with bosses extruded for attachment to the COMPASSO Elite attachment clip; extruded aluminum, factory powder coated. () color.
 - 2. Splice plate: steel in finish to match trim pans; formed for snap-fit into 6" pan ends.
 - 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 6" trim and attached to DONN (DX) (DXW) (CENTRICITEE) (FINELINE) (USG Drywall Suspension System) suspension system members.
 - 4. 90° corner trim pieces: to match COMPASSO Elite trim.
- CI.** 8" COMPASSO Elite system
 - 1. 8" COMPASSO Elite trim: 8" wide face, 3/4" horizontal legs with bosses extruded for attachment to the COMPASSO Elite attachment clip; extruded aluminum, factory powder coated. () color.
 - 2. Splice plate: steel in finish to match trim pans; formed for snap-fit into 8" pan ends.
 - 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 8" trim and attached to DONN (DX) (DXW) (CENTRICITEE) (FINELINE) (USG Drywall Suspension System) suspension system members.
 - 4. 90° corner trim pieces: to match COMPASSO Elite trim.
- CII.** 10" COMPASSO Elite system
 - 1. 10" COMPASSO Elite trim: 10" wide face, 3/4" horizontal legs with bosses extruded for attachment to the COMPASSO attachment clip; extruded aluminum, factory powder coated () color.
 - 2. Splice plate: steel in finish to match trim pans; formed for snap-fit into 10" pan ends.
 - 3. Attachment clips: hot-dipped galvanized steel in (galvanized finish) (finish to match pans) formed for snap-fit into 10" trim and attached to DONN (DX) (DXW) (CENTRICITEE) (FINELINE) (USG Drywall Suspension System) suspension system members.
 - 4. 90° corner trim pieces: to match COMPASSO Elite trim.
- CIII.** For specific project details and bill of materials see USG Interiors Drawing No. RTQ - _____ (provided by USG Interiors sales representative).

2.03 Fabrication

- A.** Trim: Edges extruded to mate with attachment clips and provide positive mechanical lock with no visible fasteners. Factory finished to match approved samples.
- B.** Splice plates: Formed to screw into and provide positive lock between abutting pans with no visible fasteners. Factory finished to match trim.
- C.** Mounting clips: Formed to screw-attach to trim and provide positive mechanical lock with no visible fasteners while providing a variable angle, screw-fastened connection to suspension members which intersect the trim.

Part 3: Execution	3.01 Inspection	A. Examine areas to receive trim system for conditions which will adversely affect installation. B. Do not start work until unsatisfactory conditions are corrected. C. Work to be concealed: Verify work above support system is complete, tested, and installed in manner which will not affect layout and installation of ceiling system. D. Fire-rated assembly: Construction above ceiling system shall meet requirements as applicable to provide fire-resistance rating specified.
	3.02 Preparation	A. Field dimensions: Installer must verify actual field dimensions prior to installation. B. Renovation work: Installing contractor shall verify that existing ceiling structure is adequate to support additional COMPASSO Elite ceiling suspension requirement. C. Coordination: Coordinate and schedule installation of ceiling system with work of other trades affected by this installation, with particular attention given to mechanical and electrical work required to be installed and operating before ceiling work can begin.
	3.03 Installation	A. Reference: Install in accordance with approved shop drawings and manufacturer's instructions. Follow architects' details for thermal and building expansion joint treatments. B. Hanger wires: 1. Spacing: Space hanger wires maximum 48" o.c. along length of carrier system, attached directly to structure above. 2. Limitation: Do not support hanger wires from mechanical and/or electrical equipment, piping, or other equipment occurring above ceiling. 3. Provide additional fixture support as required in accordance with local building codes or other regulatory agencies. C. COMPASSO Elite system: Install according to procedure provided by manufacturer and in accordance with approved shop drawings. 1. Perimeter connection detail (recommended) (optional). D. Lighting components: Refer to Section 16 _____. E. Air distribution components: Refer to Section 15 _____.
	3.04 Field Quality Control	A. Deflection on installed system: Maximum deflection shall not exceed 1/360 of the span.

C² Paired Compasso Channels*

C² Paired COMPASSO Channels are multi-functional design elements that easily integrate lighting and signage, and can be used as way-finding devices throughout a space. These unique ceiling accents combine practicality with dynamic styling for retail spaces, contemporary offices, entertainment and gaming establishments, and education environments.

Design Flexibility

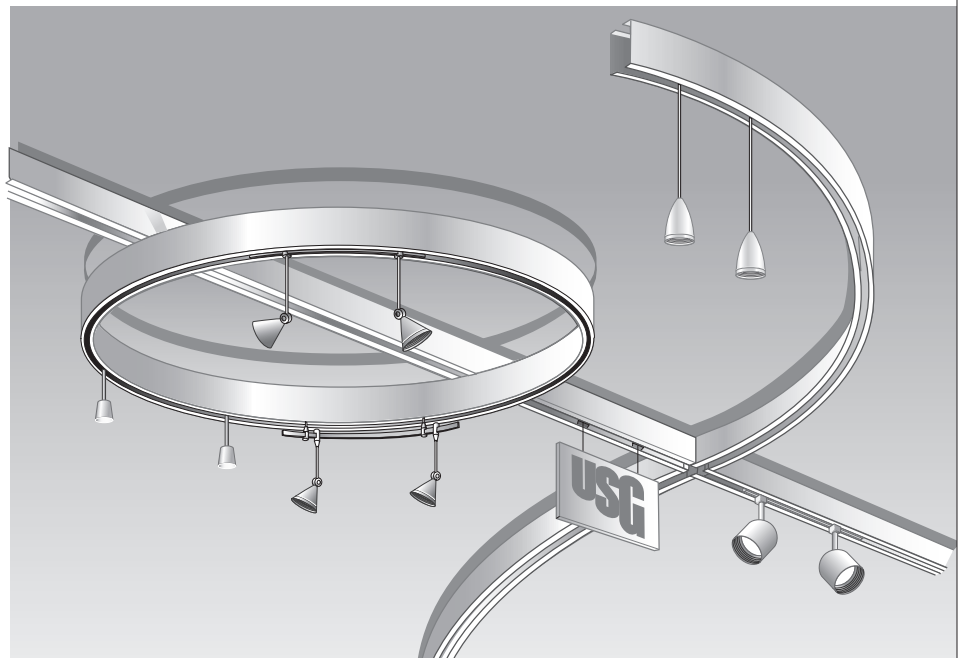
C² Paired COMPASSO Channels are available in straight and curved parts in five different sizes. Create unique configurations using circles, straight pieces, curves, arcs, and angles.

Functional Style

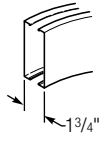
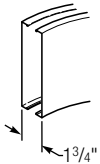
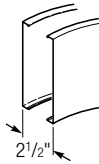
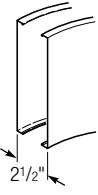
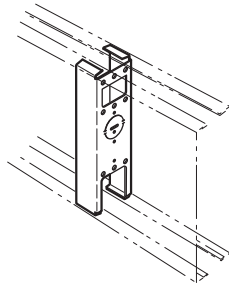
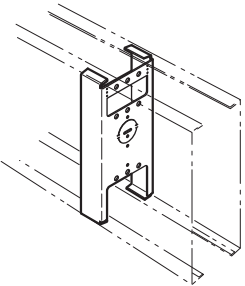
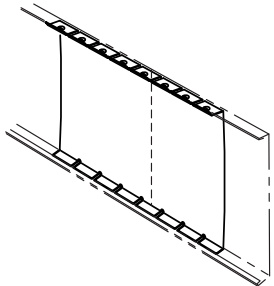
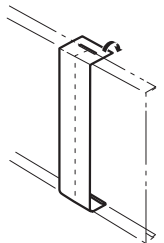
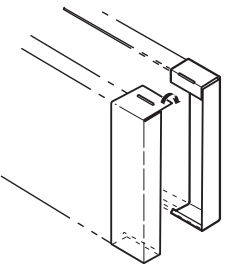
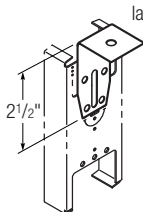
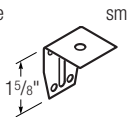
C² Paired COMPASSO Channels complement existing ceilings or open plans without ceilings. They are easy to install and can be suspended from the ceiling with hanger wire, cable, or rods depending upon design criteria. Lighting, displays, or signage can be easily integrated into C² Paired COMPASSO Channels—see pages 8-11. C² Paired COMPASSO Channels provide a great surface for applied graphics and signage.

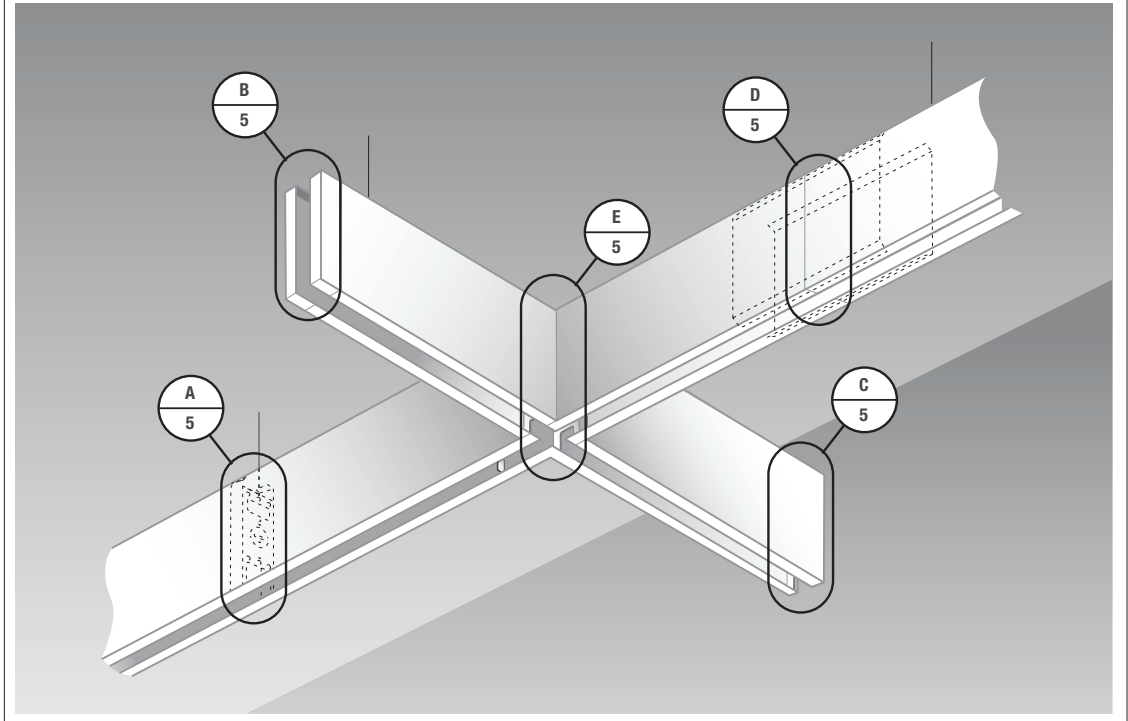
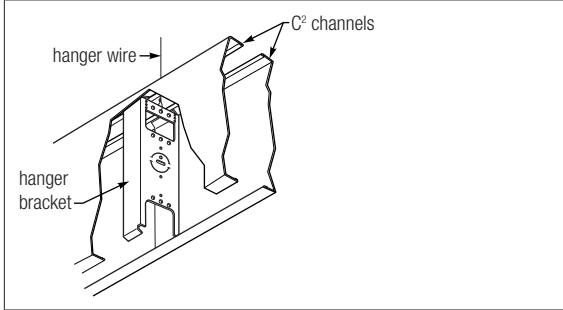
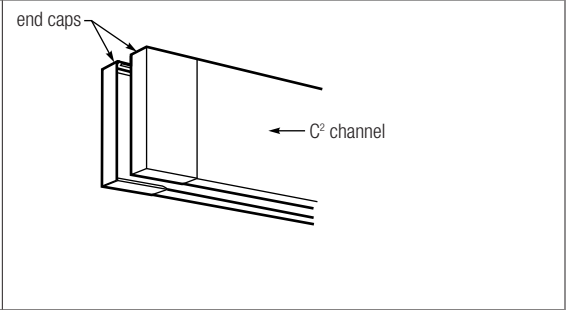
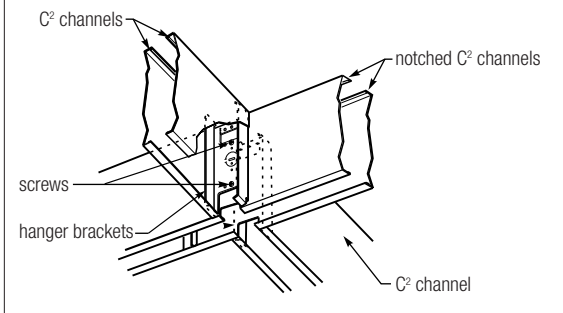
Available Colors

C² Paired COMPASSO Channels are available in standard and custom colors. The standard interior colors are Flat White and Silver Satin. For help choosing a custom color, the Sherwin-Williams Color Answers Selector is a good reference. Or simply supply us with a color chip and our paint department will match the color of your choice.



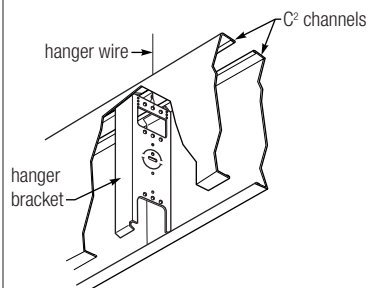
Components

Trim Construction	Narrow Reveal (5/8"), 1-3/4" Overall Width			Wide Reveal (1-3/8"), 2-1/2" Overall Width	
	4" Trim	6" Trim	8" Trim	6" Trim	8" Trim
					
Trim Size	XXXX				
	Hanger Bracket/Narrow Reveal		Hanger Bracket/Wide Reveal	Accessible Splice	
					
Accessories	Splice Cover		End Cap	Accessory Angles for Mounting Attachments	
				large  2 1/2" small  1 5/8"	

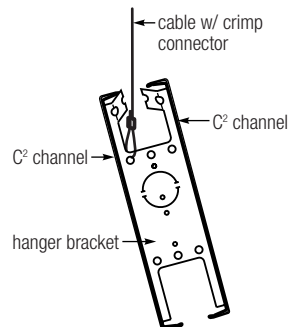
Layout Example	On-Module Ceiling Island 	
Details	Detail No. 1—Edge Detail Capping Suspension Tee 	Detail No. 3—Outside Corner 
	Detail No. 1A—Edge Detail Parallel to Suspension Tee 	Detail No. 1A—Section 

Details

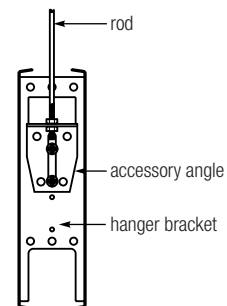
A. Hanger Bracket



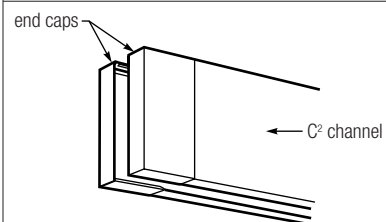
A. Alt-1 (for tilted applications)



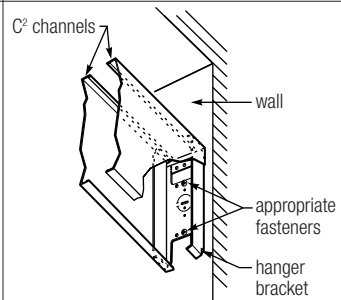
A. Alt-2



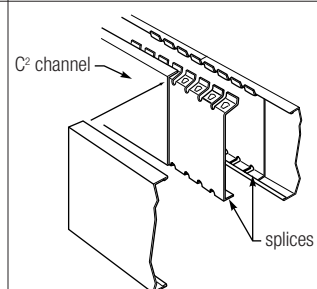
B. End Cap



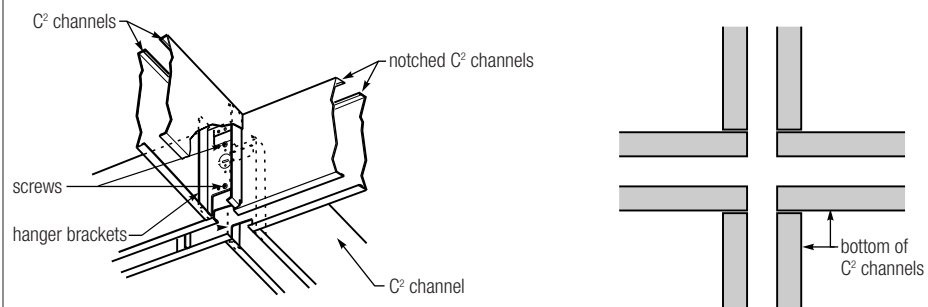
C. Wall Termination



D. Splice



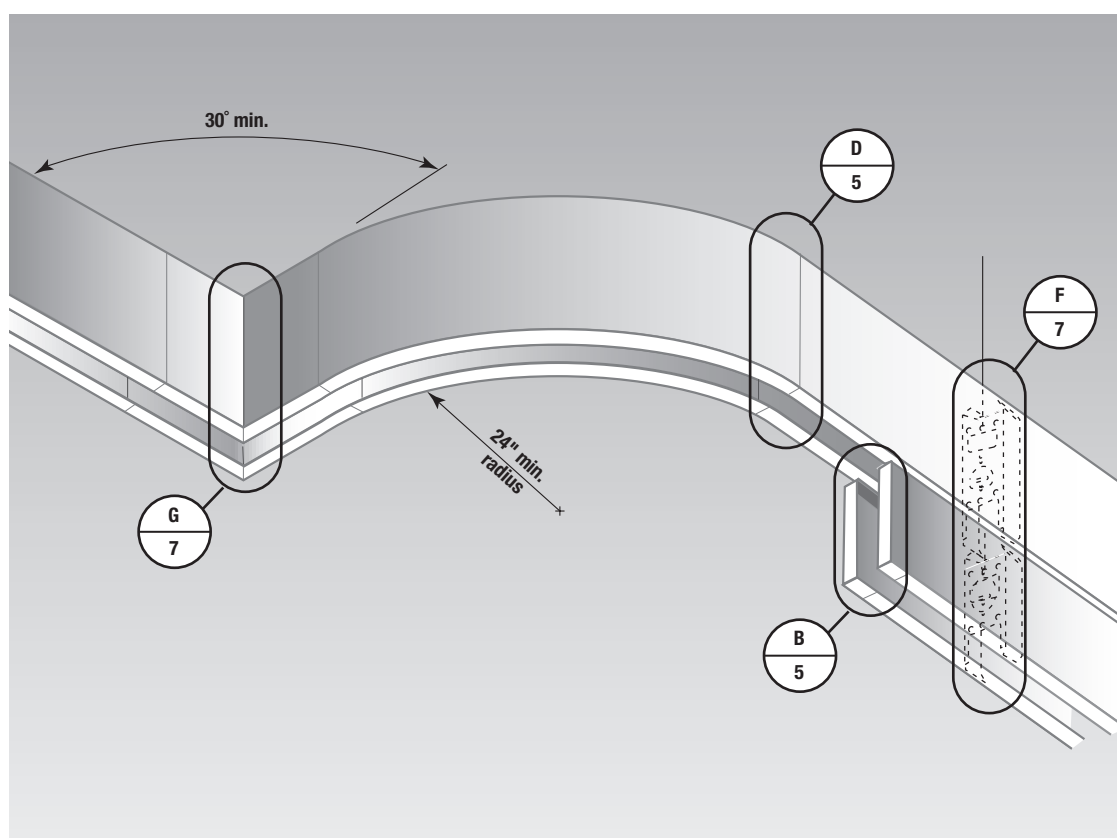
E. 4-way Intersection



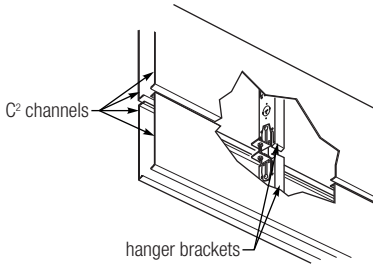
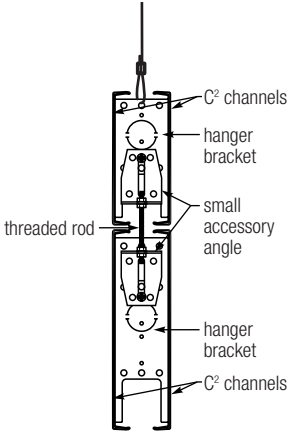
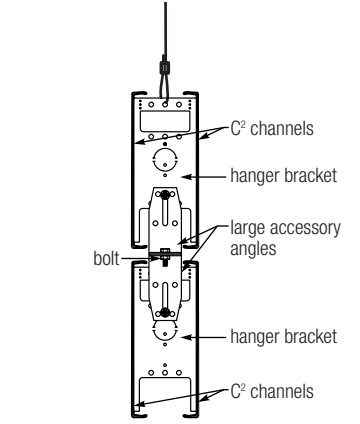
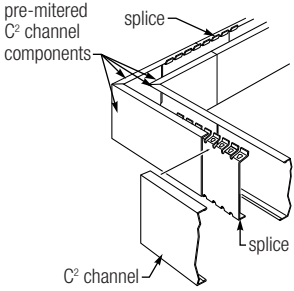
Corner and Stacked Applications

The system components of C² Paired COMPASSO Channels allow you to turn corners precisely at specific angles or curves and to stack the channels vertically.

Corner and Stacked Perspective



Stack hanger brackets vertically using accessory angles to create a layered ceiling accent, and use splice plates to join independent sections of curved or straight trim to switch direction and turn corners.

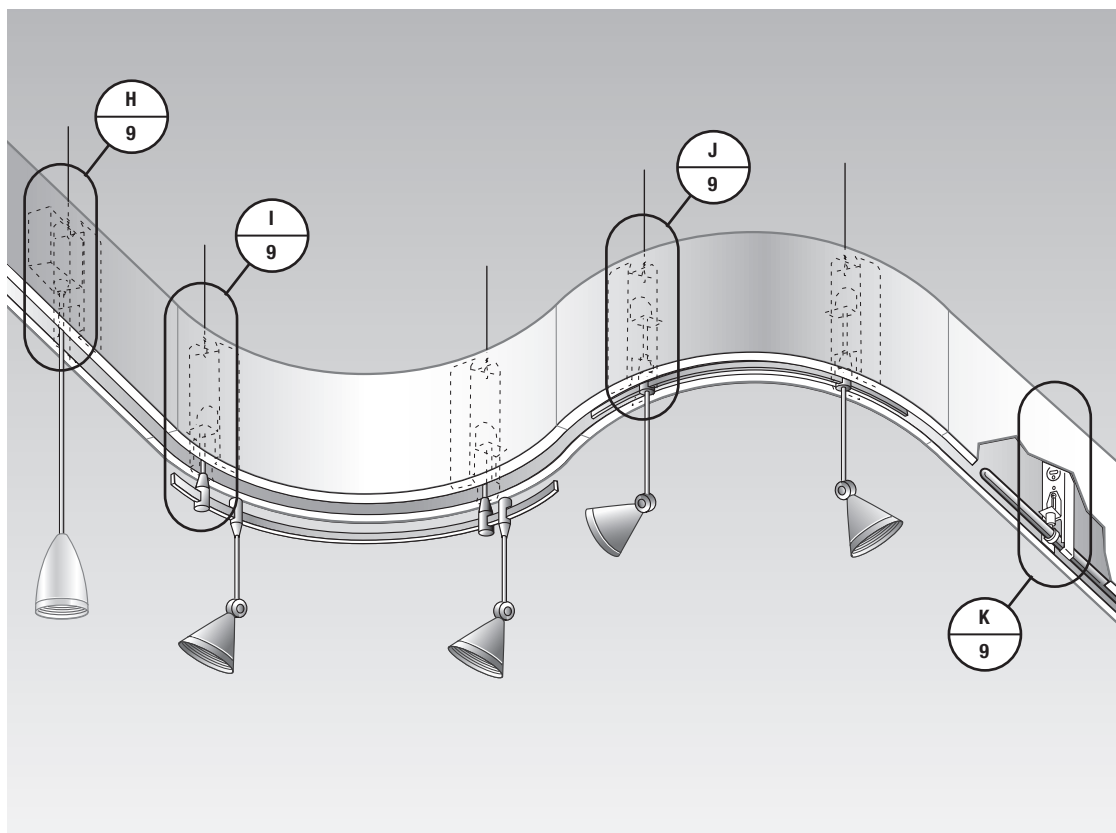
Details	F. Stacked Detail	F. Alt-1	F. Alt-2*
	 C² channels hanger brackets	 C² channels hanger bracket small accessory angle threaded rod hanger bracket C² channels	 C² channels hanger bracket large accessory angles bolt hanger bracket C² channels
	G. Corner Detail  pre-mitered C² channel components splice C² channel splice		

*Hanger bracket to hanger bracket attachments can only be used with 1-3/8" reveal.

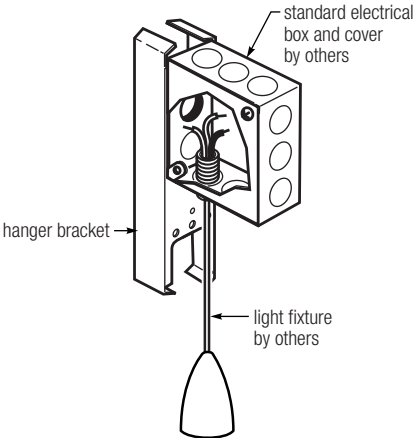
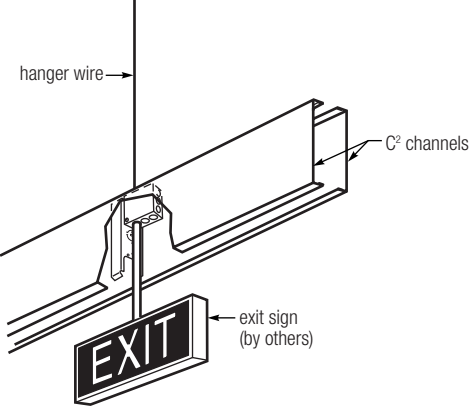
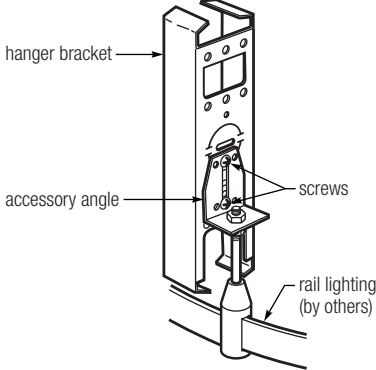
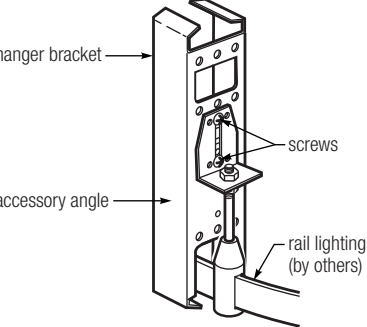
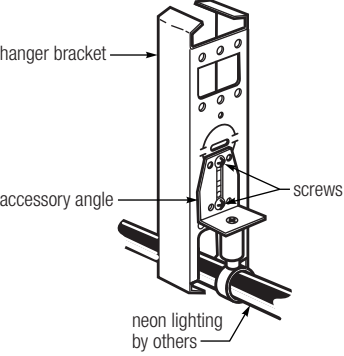
Lighting and Signage Applications

Light fixtures integrate easily with C² Paired COMPASSO Channels to create stunning accents that illuminate any space. Low voltage, neon, and line voltage lighting are ideal for use with C² Paired COMPASSO Channels.

Lighting and Signage Perspective



Attach lighting hardware for most types of light fixtures to the hanger brackets and accessory angles used to connect the channels.

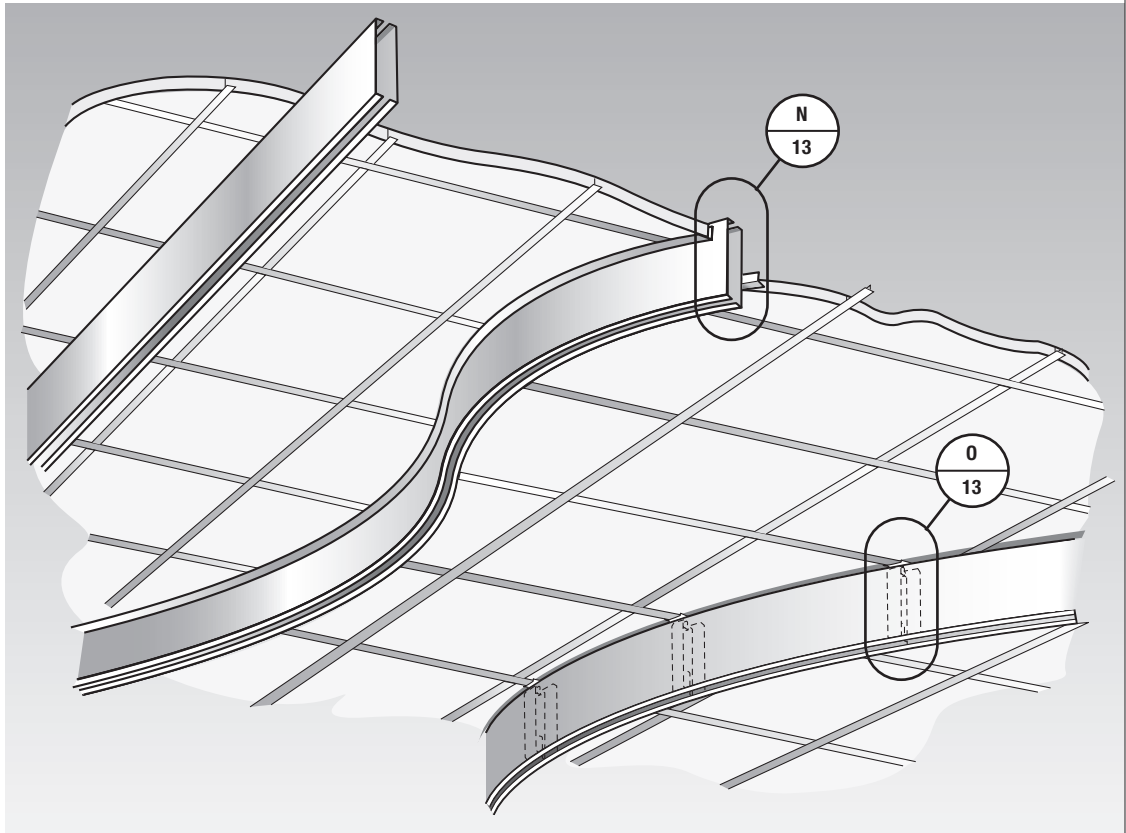
Details	H. Point Lighting	H. Alt-1, Exit Sign		
	 standard electrical box and cover by others hanger bracket light fixture by others	 hanger wire C² channels exit sign (by others)		
	I. Flexible Rail Lighting (exposed rail)	J. Flexible Rail Lighting (concealed rail)	K. Neon Lighting	
	 hanger bracket accessory angle screws rail lighting (by others)	 hanger bracket accessory angle screws rail lighting (by others)	 hanger bracket accessory angle screws neon lighting (by others)	

Note: Larger light fixtures and heavier signage should not be suspended from C² Paired COMPASSO Channels. They should be hung independently.

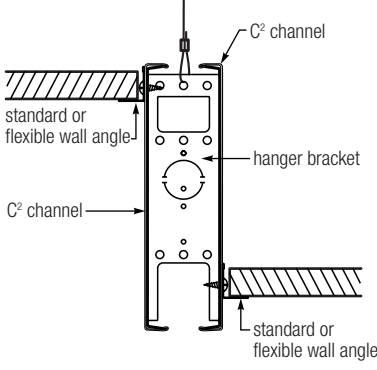
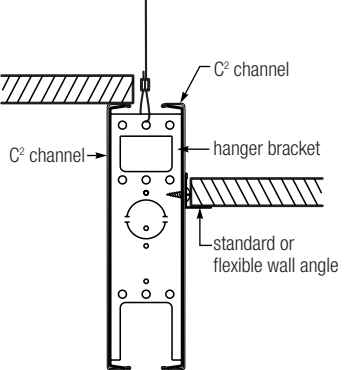
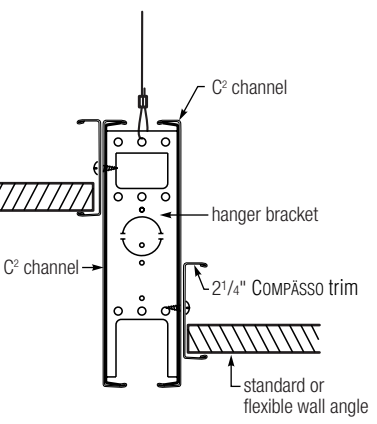
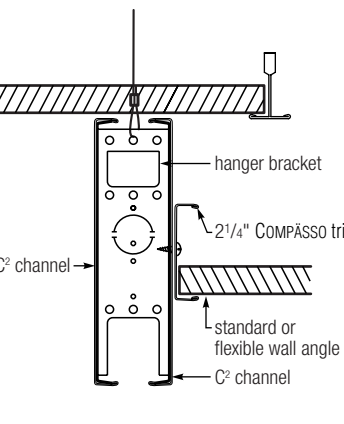
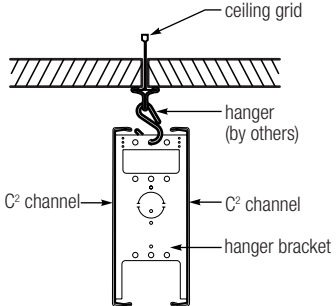
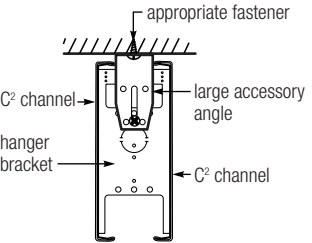
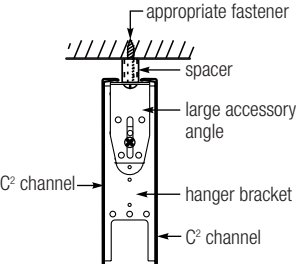
Ceiling Interface Applications

Different size options can be used to accommodate varying ceiling heights or be hung below a traditional ceiling to add visual interest to any space.

Ceiling Interface
Perspective



Attach C² Paired COMPÄSSO Channels directly to any ceiling system (flat, drywall, or concrete).

Details	N. Offset Ceiling Interface (straight)	N. Alt-1
		
		
O. Ceiling Attachment	O. Alt-1	O. Alt-2
		

Application Guide

Architectural Specifications

Note to specifier: The following specification for the C² Paired COMPASSO Channels system is a guide in the preparation of a project specification for an interior nonfire-rated design element. Delete such items that are not related to the particular project. Where blank spaces occur, provide information incidental to the particular project for which the specification is prepared.

The International System of Units (Metric units) is available upon request.

Section 13_____.

**Part 1:
General**

**1.01
Description of Work**

- A.** Related work specified elsewhere:
 - 1.** Insulation: Section _____.
 - 2.** Mechanical equipment: Section _____.
 - 3.** Electrical: Section _____.
 - 4.** Gypsum Board systems: Section _____.
 - 5.** Acoustical ceilings: Section _____.
- B.** Work installed but furnished under other sections: _____.
- C.** Work furnished but installed under other sections: _____.

**1.02
System Description**

- A.** C² Paired COMPASSO Channels for suspended design elements, consisting of (4" x 5/8" reveal) (6" x 5/8" reveal) (8" x 5/8" reveal) (6" x 1-3/8" reveal) (8" x 1-3/8" reveal) metal sections, straight or curved to radii ranging from a minimum of 18" and sweeping through included angles of 30 degrees or greater. Attachment is provided by specially designed C² COMPASSO hanger bracket, which snaps into and locks against hems of COMPASSO trim. Independent sections of trim are joined together using the COMPASSO splice plate.

**1.03
Quality Assurance**

- A.** Subcontractor qualifications: Installer shall have of successful experience in the installation of suspended ceiling systems with requirements similar to requirements specified.
- B.** Requirements or regulatory agencies: Codes and regulations of authorities having jurisdiction.

**1.04
References**

- A.** ASTM C635: Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
- B.** ASTM C636: Standard Practice for Installation of Metal Suspension Systems for Acoustical Tile and Lay-in Panels.
- C.** Cisca Ceiling Systems Installation Handbook.

**1.05
Submittals**

- A.** Samples: Submit representative sample of color and finish of all exposed materials.
- B.** Shop Drawings:
 - 1.** Reflected ceiling plans: Indicate layout arrangement of ceiling design, dimensions and locations of related integrated lighting and signage components. Include elevation heights and relation to other ceiling planes.
 - 2.** Installation drawings: Detail complete installation including all trim pieces, attachment clips, splice plates, corner pieces, intersections, end caps, and installation of related lighting and signage components.
 - 3.** Manufacturer's data: Submit manufacturer's catalogue cuts or standard drawings showing details of system with project conditions clearly identified and manufacturer's recommended installation instructions.

**1.06
Delivery, Storage
and Handling**

- A.** Delivery of materials: Deliver materials in original, unopened packages clearly labeled with the manufacturer's name and identification numbers.
- B.** Inspection: Promptly inspect delivered materials, file freight claims for damage during shipment, and order replacement material, as required.
- C.** Storage: Store in a manner that will prevent scratches or damage of any kind.
- D.** Handling: Handle in such a manner as to ensure against racking, distortion or physical damage of any kind.

1.07 Project Conditions	A. Existing conditions: (Include specific alteration work requirements for project.) B. Environmental requirements: Building shall be enclosed with windows and exterior doors in place and glazed, and roof watertight before installation of ceiling system and related ceiling components. Climatic conditions range of 60 °F (15.56 °C) to 85 °F (29.44 °C); relative humidity not more than 70%. C. Coordination with other work: 1. Mechanical work: Ductwork above ceiling shall be complete, and permanent heating and cooling systems operating to climate conditions prior to installation of C ² Paired COMPASSO Channels. 2. Electrical work: Installation of conduit above ceiling shall be complete before installation of ceiling components. Coordinate electrical work with installation of C ² Paired COMPASSO Channels. 3. Fire protection work: Fire protection lines and/or equipment occurring above Ceiling shall be completed and tested before ceiling components are installed. D. Protection: Protect completed work above ceiling system from damage during installation of ceiling components.	
Part 2: Products	2.01 Manufacturer	C ² Paired COMPASSO Channels as manufactured by USG Interiors, Inc., Chicago, Illinois, U.S.A.
2.02 Materials (Delete items not applicable)	A. 4" C ² Paired COMPASSO system 1. C ² Paired COMPASSO Channels: 4" wide face, 9/16" horizontal legs with hems formed for attachment to the mounting bracket creating a 5/8" reveal; commercial quality cold-rolled 24-gauge steel, factory finished in (baked enamel paint finish) () color with gray interior. 2. Splice Plate: steel in finish to match trim channels; formed for snap-fit into 4" channel ends. 3. Mounting Brackets: steel brackets in manufacturer's standard painted finish, color gray, formed for snap-fit into 4" channels and attached to hanger devices. 4. 90° corner trim pieces: to match C ² Paired COMPASSO Channels 5. End caps: to match C ² Paired COMPASSO Channels 6. Accessory Device Bracket: steel accessory angle in (large 2-1/2") (small 1-5/8"), to coordinate with electrical. 7. Hanger Devices: Turnbuckle devices and accessories for (1/4" threaded rod) (1/32" diameter aircraft cable) B. 6" C ² Paired COMPASSO system 1. C ² Paired COMPASSO Channels: 6" wide face, 9/16" horizontal legs with hems formed for attachment to the mounting bracket creating a 5/8" reveal; commercial quality cold-rolled 24-gauge steel, factory finished in (baked enamel paint finish) () color with gray interior. 2. Splice Plate: steel in finish to match trim channels; formed for snap-fit into 6" channel ends. 3. Mounting Brackets: steel brackets in manufacturer's standard painted finish, color gray, formed for snap-fit into 6" channels and attached to hanger devices. 4. 90° corner trim pieces: to match C ² Paired COMPASSO Channels. 5. End caps: to match C ² Paired COMPASSO Channels. 6. Accessory Device Bracket: steel accessory angle in (large 2-1/2") (small 1-5/8"), to coordinate with electrical. 7. Hanger Devices: Turnbuckle devices and accessories for (1/4" threaded rod) (1/32" diameter aircraft cable). C. 8" C ² Paired COMPASSO system 1. C ² Paired COMPASSO Channels: 8" wide face, 9/16" horizontal legs with hems formed for attachment to the mounting bracket creating a 5/8" reveal; commercial quality cold-rolled 24-gauge steel, factory finished in (baked enamel paint finish) () color with gray interior. 2. Splice Plate: steel in finish to match trim channels; formed for snap-fit into 8" channel ends. 3. Mounting Brackets: steel brackets in manufacturer's standard painted finish, color gray, formed for snap-fit into 8" channels and attached to hanger devices. 4. 90° corner trim pieces: to match C ² Paired COMPASSO Channels. 5. End caps: to match C ² Paired COMPASSO Channels. 6. Accessory Device Bracket: steel accessory angle in (large 2-1/2") (small 1-5/8"), to coordinate with electrical. 7. Hanger Devices: Turnbuckle devices and accessories for (1/4" threaded rod) (1/32" diameter aircraft cable).	

Application Guide

Architectural Specifications

		D. 6" C² Paired COMPASSO system 1. C² Paired COMPASSO Channels: 6" wide face, 9/16" horizontal legs with hems formed for attachment to the mounting bracket creating a 1-3/8" reveal; commercial quality cold-rolled 24-gauge steel, factory finished in (baked enamel paint finish) () color with gray interior. 2. Splice Plate: steel in finish to match trim channels; formed for snap-fit into 6" channel ends. 3. Mounting Brackets: steel brackets in manufacturer's standard painted finish, color gray, formed for snap-fit into 6" channels and attached to hanger devices. 4. 90° corner trim pieces: to match C² Paired COMPASSO Channels. 5. End caps: to match C² Paired COMPASSO Channels. 6. Accessory Device Bracket: steel accessory angle in (large 2-1/2") (small 1-5/8"), to coordinate with electrical. 7. Hanger Devices: Turnbuckle devices and accessories for (1/4" threaded rod) (1/32" diameter aircraft cable). E. 8" C² Paired COMPASSO system 1. C² Paired COMPASSO Channels: 8" wide face, 9/16" horizontal legs with hems formed for attachment to the mounting bracket creating a 1-3/8" reveal; commercial quality cold-rolled 24-gauge steel, factory finished in (baked enamel paint finish) () color with gray interior. 2. Splice Plate: steel in finish to match trim channels; formed for snap-fit into 8" channel ends. 3. Mounting Brackets: steel brackets in manufacturer's standard painted finish, color gray, formed for snap-fit into 8" channels and attached to hanger devices. 4. 90° corner trim pieces: to match C² Paired COMPASSO Channels. 5. End caps: to match C² Paired COMPASSO Channels. 6. Accessory Device Bracket: steel accessory angle in (large 2-1/2") (small 1-5/8"), to coordinate with electrical. 7. Hanger Devices: Turnbuckle devices and accessories for (1/4" threaded rod) (1/32" diameter aircraft cable). F. For specific project details and bill of materials see USG Interior Drawing No. RTQ - _____ (provided by USG sales representative)
	2.03 Fabrication	A. Trim channels: Edges formed to snap onto mounting brackets and provide positive mechanical lock with no visible fasteners. Factory finished to match approved samples. B. Splice Plates: Formed to snap into and provide positive lock between abutting channels with no visible fasteners. Factory finished to match trim channels. C. Mounting brackets: Formed to snap into trim channels and provide positive mechanical lock with no visible fasteners while providing interface for hanging attachment and integration of lighting or signage.
Part 3: Execution	3.01 Inspection	A. Examine areas to receive trim system for conditions which will adversely affect installation. B. Do not start work until unsatisfactory conditions are corrected. C. Work to be concealed: Verify work above support system is complete, tested, and installed in a manner which will not affect layout and installation of channel system. D. Fire-rated assembly: Construction above channel system shall meet requirements as applicable to provide fire-resistance rating specified.
	3.02 Preparation	A. Field dimensions: Installer must verify actual field dimensions prior to installation. B. Renovation work: Installing contractor shall verify that existing ceiling structure is adequate to support additional C² Paired COMPASSO Channel system. C. Coordination: Coordinate and schedule installation of channel system with work of other trades affected by this installation, with particular attention given to mechanical and electrical work required to be installed and operating before ceiling work can begin. Coordinate electrical with integration into channel system, if required.

**3.03
Installation**

- A.** Reference: Install in accordance with approved shop drawings and manufacturer's instructions. Follow architects' details for thermal and building expansion joint treatments.
- B.** Hanger wires:
 - 1.** Spacing: Space hanger wires maximum 48" o.c. along straight sections and maximum 36" o.c. along curved sections of channels, or as noted otherwise by manufacturer on shop drawings. Attach directly to structure above.
 - 2.** Limitation: Do not support hanger wires from mechanical and/or electrical equipment, piping, or other equipment occurring above ceiling.
 - 3.** Provide additional fixture support as required in accordance with local building codes or other regulatory agencies.
- C.** C² Paired COMPASSO Channel system: Install according to procedure provided by manufacturer and in accordance with approved shop drawings.
- D.** Lighting components: Refer to Section 16_____.
- E.** Air Distribution components: Refer to Section 15_____.

**3.04
Field Quality
Control**

- A.** Deflection on installed system: Maximum deflection shall not exceed 1/360 of the span.





Architect: BSA LifeStructures
Photo: Fungi Media © USG Interiors, LLC

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usg.com

Samples/Literature E-mail
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Customer Service
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