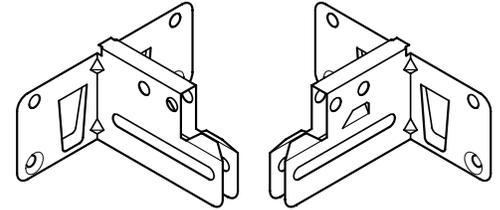
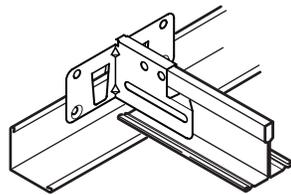


SEISMIC TECHNICAL GUIDE: ACM7 & ALACM7 SEISMIC PERIMETER ATTACHMENT CLIP

DESCRIPTION



- Clip features a saddle that fits securely over the bulb of the tee for a quick, easy, tight connection.
- Two wings are provided which connect to the wall molding with a friction tab. Either wing can be snapped off to fit corners or modified for diagonal intersections.
- Slot allows for 3/4" movement in both directions.

ACM7 Seismic Attachment Clip (steel)

For use in all Seismic Design Categories with the following systems in all applications. See approved layouts listed in ICC ESR-1222.

- DX®/DXL™ Acoustical Suspension System
- DXW™ Acoustical Suspension System
- Centricitee™ DXT™/DXLT™ Acoustical Suspension System
- Fineline® DXF™/DXLF™ Acoustical Suspension System
- Fineline® 1/8 DXFF™ Acoustical Suspension System
- Identitee® DXI™ Acoustical Suspension System
- CE™ Acoustical Suspension System
- DXLA™/DXACE™ Acoustical Suspension System
- ZXLA™ Acoustical Suspension System

ALACM7 Seismic Attachment Clip (aluminum)

For use in all Seismic Design Categories with the following systems in applications where non-ferrous materials are required. See approved layouts listed in the ICC ESR-1222.

- AX™/AXCE™ Acoustical Suspension System

Note: ALACM7 clip is acceptable with steel suspension systems if desired per application.

FEATURES AND BENEFITS

- Eliminates the need for perimeter stabilizer bars and pop rivets in Seismic Design Categories C, D, E and F.
- In Seismic Design Categories D, E and F the clip replaces unsightly 2" wall angle and allows the use of 7/8" molding.
- Fulfills requirements for IBC Seismic Design Categories C, D, E and F through testing. Complies with ICC Evaluation Service, Inc. (ICC-ES) AC156 and AC368 requirements. Acceptance of the ALACM7 and the ACM7 clip can be found the ICC-ESR 1222.
- Laboratory tested to meet or exceed all seismic requirements for Categories A - F including tension, compression and tee fallout.

COMPLIANCE

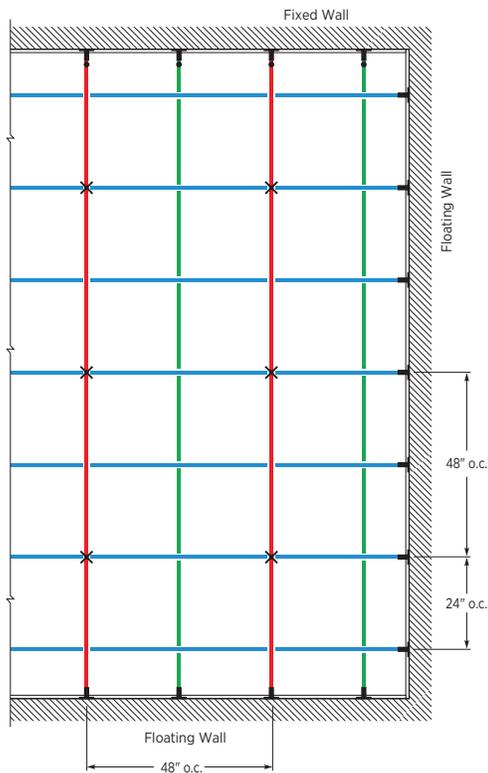
- Complies with IBC Codes (2021, 2018 and 2015), California Building Code (CBC), ASCE and ASTM

SEISMIC DESIGN CATEGORIES C ALTERNATE LAYOUT

ACM7 Seismic Attachment Clip (steel)

Main Tee: 48" o.c.
Cross Tee: 24" o.c.
Hanger Wire: 48" o.c.

- Main Tee (steel)
- 4' Cross Tee (steel)
- 2' Cross Tee (steel)
- ✕ Hanger Wire
- T ACM7 Seismic Clip

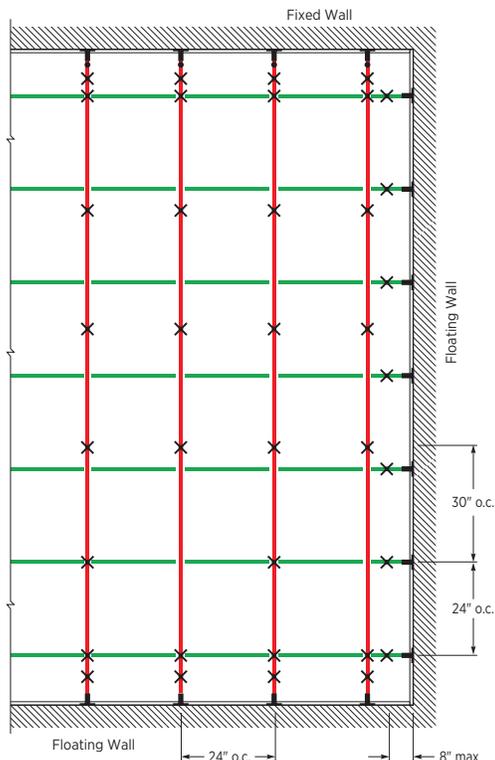


| | |
|--------------------------------------|---|
| Suspension System Duty Rating | Intermediate Duty |
| Wall Molding | 7/8" |
| Seismic Clip | ACM7 Seismic Clip |
| Two Adjacent Floating Sides | 3/8" gap; ACM7 seismic clip with fastener attachment to tee through slot; 2 screws through the clip into the wall molding |
| Two Adjacent Fixed Sides | Tight, no gap; ACM7 seismic clip with fastener attachment to tee; 2 screws through the clip into the wall molding. |
| Perimeter Hanger Wires | None |
| Stabilizer Bars | None |

ALACM7 Seismic Attachment Clip (aluminum)

Main Tee: 24" o.c.
Cross Tee: 24" o.c.
Hanger Wire: 30" o.c.

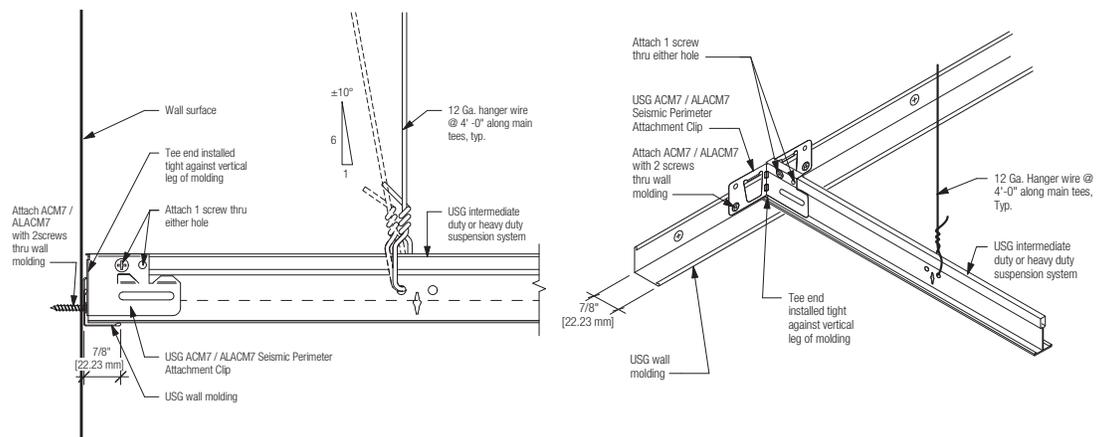
- Main Tee (AX26/AXCE26)
- 2' Cross Tee (AX224/AXCE224)
- ✕ Hanger Wire
- T ALACM7 Seismic Clip



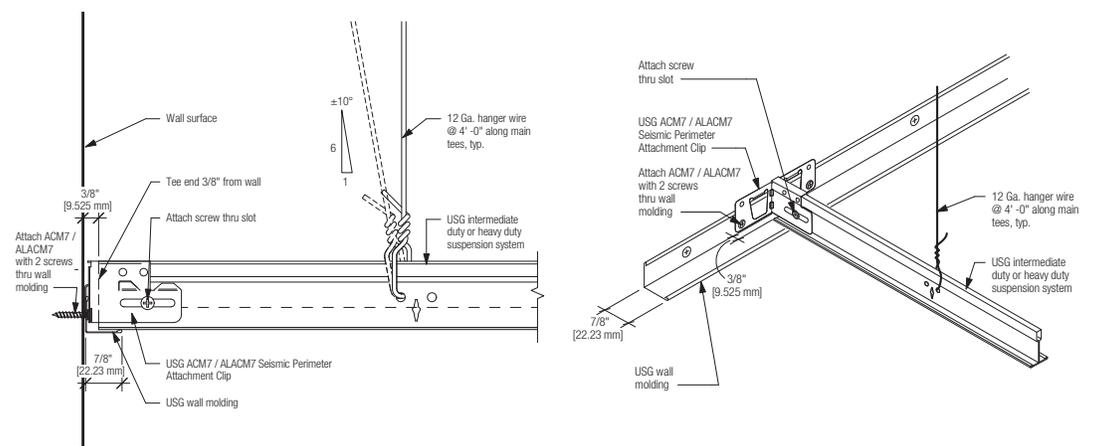
| | |
|--------------------------------------|--|
| Suspension System Duty Rating | Heavy Duty Assembly |
| Wall Molding | 7/8" |
| Seismic Clip | ALACM7 Seismic Clip |
| Two Adjacent Floating Sides | 3/8" gap; ALACM7 seismic clip with fastener attachment to tee through slot; 2 screws through the clip into the wall molding. |
| Two Adjacent Fixed Sides | Tight, no gap; ALACM7 seismic clip with fastener attachment to tee; 2 screws through the clip into the wall molding. |
| Perimeter Hanger Wires | None |
| Stabilizer Bars | None |

SEISMIC DESIGN CATEGORIES C ALTERNATE LAYOUT

Categories C Fixed Side



Categories C Floating Side

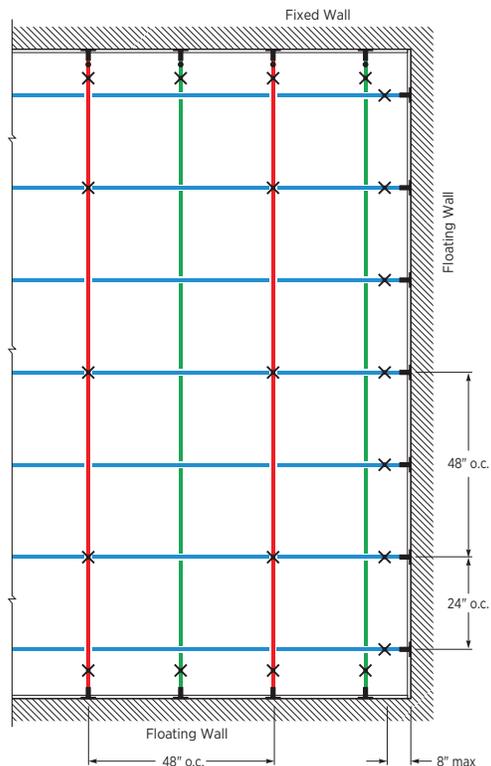


SEISMIC DESIGN CATEGORIES D, E AND F

ACM7 Seismic Attachment Clip (steel)

Main Tee: 48" o.c.
Cross Tee: 24" o.c.
Hanger Wire: 48" o.c.

- Main Tee (steel)
- 4' Cross Tee (steel)
- 2' Cross Tee (steel)
- ✕ Hanger Wire
- T ACM7 Seismic Clip

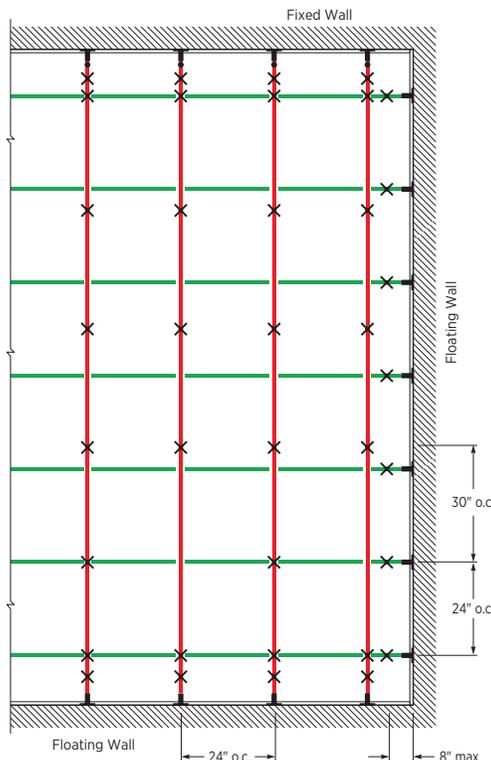


| | |
|--------------------------------------|---|
| Suspension System Duty Rating | Heavy Duty |
| Wall Molding | 7/8" |
| Seismic Clip | ACM7 Seismic Clip |
| Two Adjacent Floating Sides | 3/4" gap; ACM7 seismic clip with fastener attachment to tee through slot; 2 screws through the clip into the wall molding |
| Two Adjacent Fixed Sides | Tight, no gap; ACM7 seismic clip with fastener attachment to tee; 2 screws through the clip into the wall molding. |
| Perimeter Hanger Wires | Yes |
| Stabilizer Bars | None |

ALACM7 Seismic Attachment Clip (aluminum)

Main Tee: 24" o.c.
Cross Tee: 24" o.c.
Hanger Wire: 30" o.c.

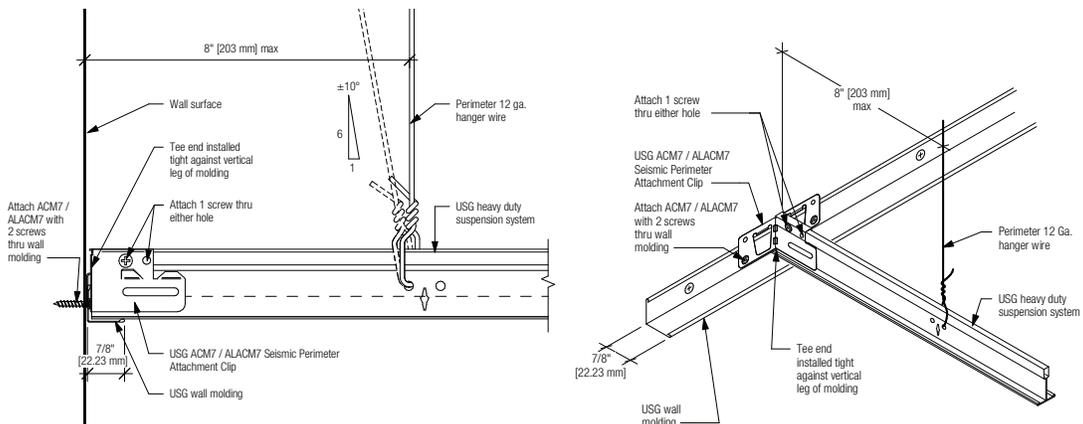
- Main Tee (AX26/AXCE26)
- 2' Cross Tee (AX224/AXCE224)
- ✕ Hanger Wire
- T ALACM7 Seismic Clip



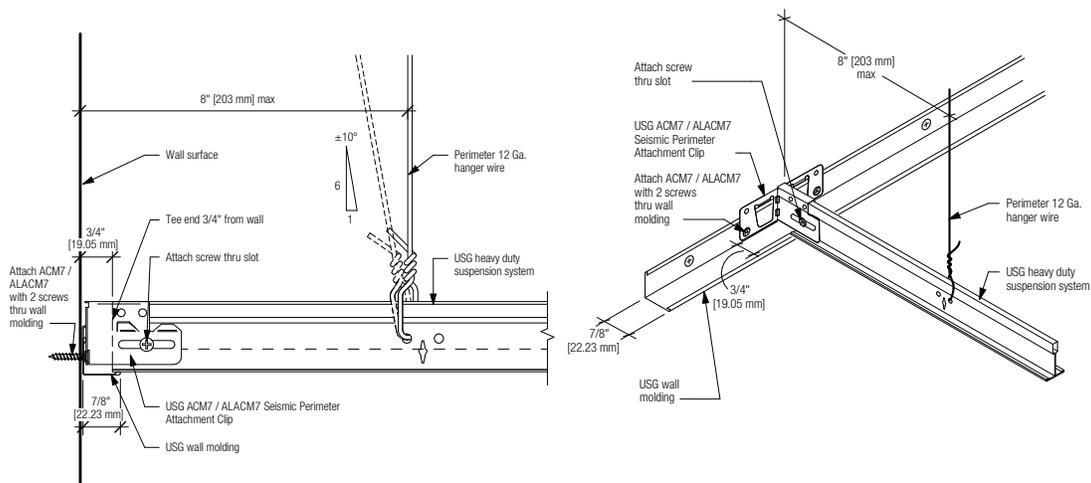
| | |
|--------------------------------------|--|
| Suspension System Duty Rating | Heavy Duty Assembly |
| Wall Molding | 7/8" |
| Seismic Clip | ALACM7 Seismic Clip |
| Two Adjacent Floating Sides | 3/4" gap; ALACM7 seismic clip with fastener attachment to tee through slot; 2 screws through the clip into the wall molding. |
| Two Adjacent Fixed Sides | Tight, no gap; ALACM7 seismic clip with fastener attachment to tee; 2 screws through the clip into the wall molding. |
| Perimeter Hanger Wires | Yes |
| Stabilizer Bars | None |

SEISMIC DESIGN CATEGORIES D, E AND F

Categories D, E and F Fixed Side



Categories D, E and F Floating Side



SEISMIC TECHNICAL GUIDE: ACM7 & ALACM7 SEISMIC PERIMETER ATTACHMENT CLIP

PHYSICAL DATA/ FOOTNOTES

Material

Hot-dipped galvanized steel (ACM7)
Aluminum (ALACM7)

Recycled Content

25%. For details, see the Sustainability selector.

Installation

Install according to ASTM C636, ASTM E580, CISCA and USG requirements. Alternate installation methods may be used when approved by the authority having jurisdiction.

Limitations

The performance of Donn ACM7 and ALACM7 seismic clips and systems is based on the specific combination of superior components, and design and installation methods shown. Components from other manufacturers were not evaluated, and their use or any mixed use is not recommended.

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 or 800 USG.4YOU for current reports.

AC156 Disclaimer

The current ICC-ES acceptance criterion (AC) used for the testing and evaluation of seismic clips is AC156, Acceptance Criteria for Seismic Qualification by Shake-Table Testing of Nonstructural Components and Systems. AC156 was not specifically designed to provide testing guidelines or pass/fail criteria for acoustical suspension systems in a seismic event. However, in the absence of a specific AC for this purpose, ICC-ES allowed AC156 to act as the basis for all seismic testing and evaluation for the acoustical ceiling suspended ceilings industry.

Code Compliance

Testing and evaluation performed at the University at Buffalo (SUNY), the Department of Civil, Structural and Environmental Engineering— Structural Engineering and Earthquake Simulation Laboratory (SEESL) qualify the performance of these systems according to the AC156—Seismic Qualification Specification, and AC368—Acceptance Criteria for Suspended Ceiling Framing Systems. Several alternative materials, designs and methods of construction were evaluated and tested. Results of this investigation indicates that these tested alternative designs are at least the equivalent of that prescribed in the code for quality, strength, effectiveness, fire resistance, durability and safety. These alternative designs are at least equivalent to the criteria set forth in AC156 and AC368, and otherwise demonstrate compliance with the performance features of the codes. The data and test results presented provide technical evidence on which a code official can base approval.

Notice

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Safety First!

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

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