

METALWORKS™ Clip-on

Downlight Integration Installation Instructions

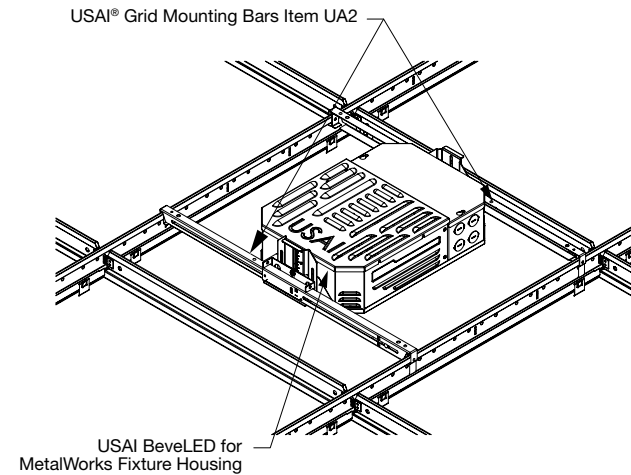
This installation guide is a supplement to the standard METALWORKS™ Clip-on installation instructions.

1. SOLUTION OVERVIEW

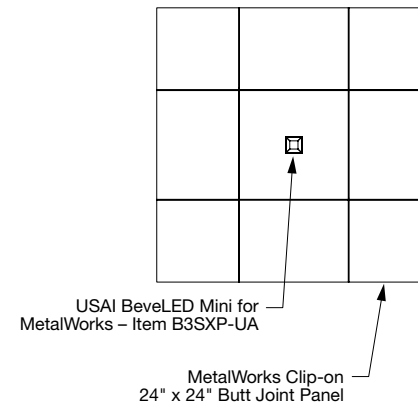
The following guidelines enable installation of various USAI® Lighting fixtures with Armstrong METALWORKS™ Clip-on panels – eliminating the need for modification of the grid system and independent suspension of the light fixture (*Fig 1 and 2*).

The installation of this ceiling and the integrated lighting solution will require coordination between the ceiling contractor and the electrical contractor. METALWORKS Clip-on panels with the downlight integration is a progressive installation, meaning the lights and the ceiling panels must be installed at the same time. The general contractor should work with the electrical contractor and ceiling contractor to clearly assign responsibilities.

These instructions represent the METALWORKS Clip-on panels with the factory cut-out listed in the chart at the end of the instructions. Other METALWORKS Clip-on Panels items are not included as part of this standard integration solution.



(Fig 1)



(Fig 2)

2. DESIGN AND INSTALLATION CONSIDERATIONS

2.1 System Modifications

2.1.1 There is no need for grid or panel modification when the METALWORKS™ Clip-on panels with the factory cut-out are used. These panels are specified in the chart at the end of the instructions.

2.1.2 METALWORKS Clip-on panels without the factory cut-out should not be field cut to try and replicate the visual. Using the METALWORKS Clip-on panels with the factory cut-out will ensure the optimal visual result.

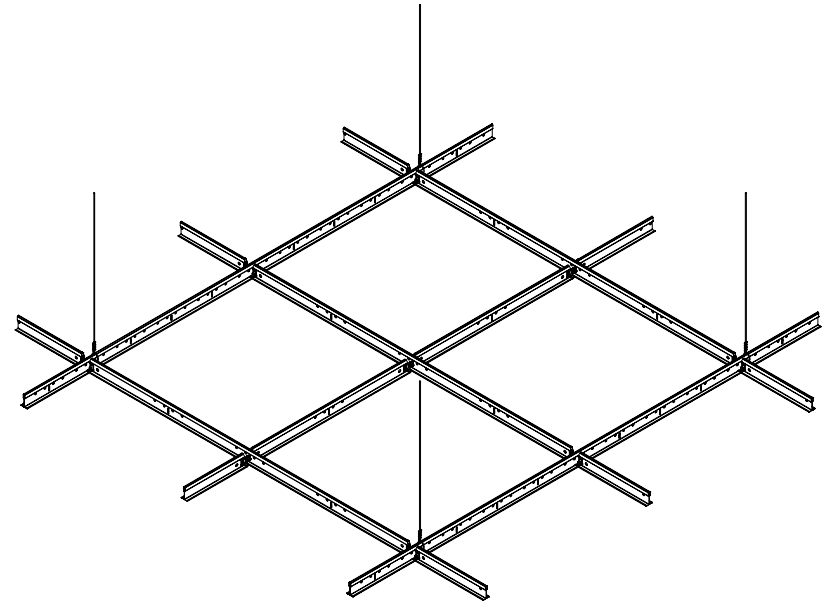
2.2 Suspension System

2.2.1 Standard 2' x 2'

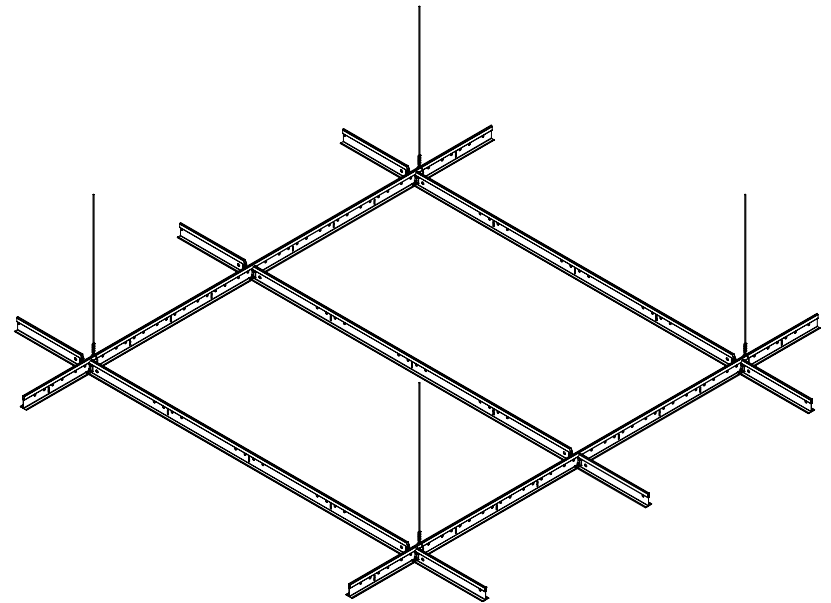
Main beams installed at 48" O.C., with 4' cross tees perpendicular to the main beams at 24" O.C., and 2' cross tees spanning the midpoints of the 4' cross tees (*Fig 3*).

2.2.2 Standard 2' x 4'

Main beams spaced 48" O.C., with 4' cross tees perpendicular to the main beams at 24" O.C. (*Fig 4*).



(Fig 3)



(Fig 4)

3. INSTALLATION OF THE ASSEMBLY

Install the last full-size METALWORKS™ Clip-on panel that the light will integrate next to per the standard installation instructions.

Install the METALWORKS Clip-on panel that the light will integrate into per the standard installation instructions (*Fig 5*).

The compatible light fixture and driver should be installed by a qualified electrician in accordance with the lighting manufacturer's installation instructions (*Fig 6*).

Once the factory cut-out panel and light have been installed, resume installation of the full-size METALWORKS Clip-on panels following the standard installation instructions (*Fig 7*).

4. LIGHT FIXTURES

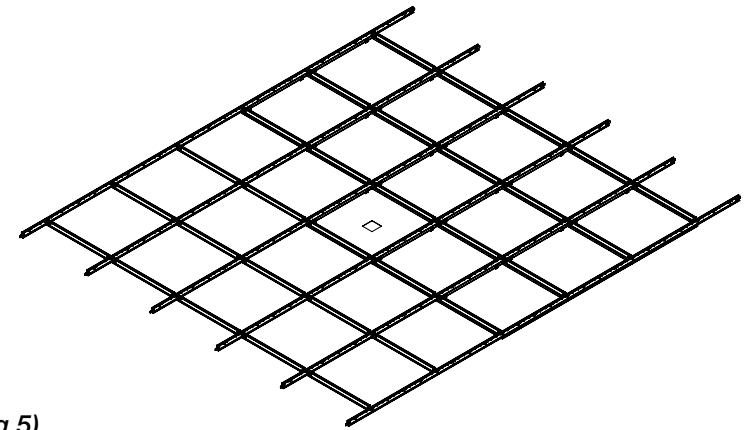
Compatible with USAI® Lighting BeveLED® 2.2 for METALWORKS and BeveLED® Mini for METALWORKS light fixtures. For detailed lighting information, contact your local USAI representative.

5. SEISMIC

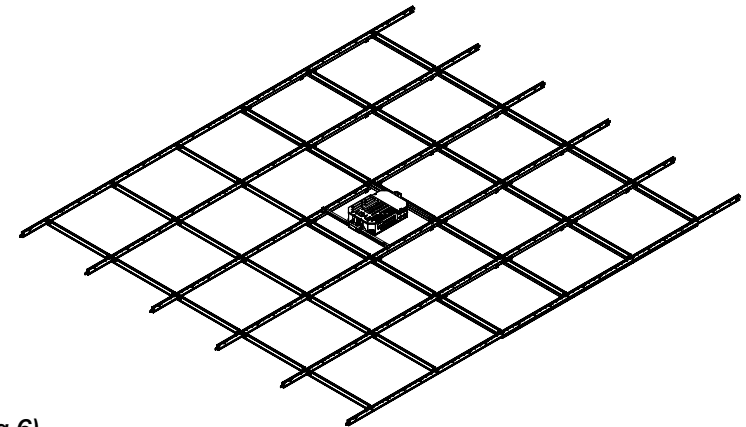
This system has been engineered for application in seismic areas based on the instructions listed in this document and has been successfully tested in applications simulating seismic design categories D, E, and F.

Refer to the lighting manufacturer for the specific instructions on how to install the light fixture in seismic areas.

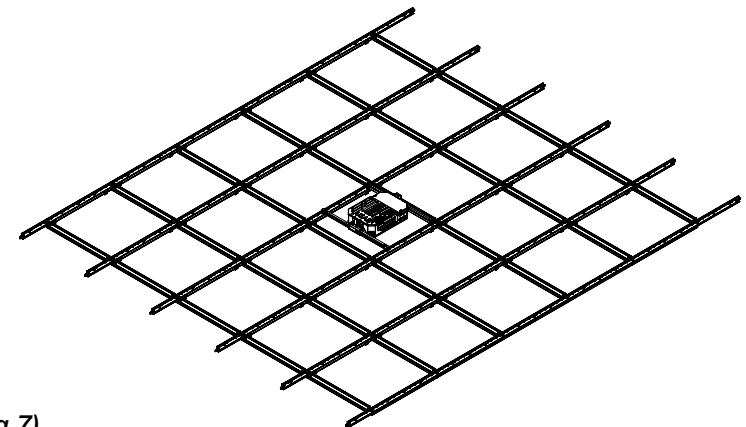
Certain jurisdictions may have additional requirements for lighting systems. Consult your local authority for specific requirements.



(Fig 5)



(Fig 6)



(Fig 7)

METALWORKS™ Clip-on				
METALWORKS Panel Item No.	Description	Coordinating USAI® Fixture Family	Coordinating USAI Fixture Part Numbers	USAI Grid Mounting Bars Item No.
7110MXXC03XXX	24 x 24 x 1" Butt Joint panel for 3.5" Square Downlight	BeveLED® Mini for MetalWorks	B3SXP-UA	UA2
7110MXXC04XXX	24 x 24 x 1" Butt Joint panel for 5" Square Downlight	BeveLED® 2.2 for MetalWorks	B4SXP-UA	UA2
7111MXXC03XXX	24 x 48 x 1" Butt Joint panel for 3.5" Square Downlight	BeveLED Mini for MetalWorks	B3SXP-UA	UA2 or UA4
7111MXXC04XXX	24 x 48 x 1" Butt Joint panel for 5" Square Downlight	BeveLED 2.2 for MetalWorks	B4SXP-UA	UA2 or UA4

MORE INFORMATION

For more information, or for an Armstrong Ceilings representative, call 1 877 276-7876.

For complete technical information, detail drawings, CAD design assistance, installation information, and many other technical services, call TechLine customer support at 1 877 276-7876 or FAX 1 800 572-TECH.

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