



VMC GROUP
THE POWER OF TOGETHER™



CERTIFICATE OF COMPLIANCE

SEISMIC DESIGN OF NONSTRUCTURAL COMPONENTS AND SYSTEMS



Certification No.

VMA-54057-01C (Revision 01)

Expiration Date: 10/31/2025

Certification Parameters:

The nonstructural products containing only non-active components listed on this certificate are **CERTIFIED¹** FOR SEISMIC APPLICATIONS in accordance with the following building code² releases.

IBC 2021, 2018, 2015, 2012, 2009

The following model designations, options, and accessories are included in this certification. Reference report number **VMA-54057-01** as issued by VMC Group for a complete list of certified models, included accessories/options, and certified installation methods.

Overcast Innovations; Multiple Cloud 2.0 Integrated Ceiling System
Model; 4x4 to 4x8 & 6x6 to 6x8

The above referenced non-active components are **APPROVED** for seismic application when properly installed³, used as intended, and contains a Seismic Certification Label referencing this Certificate of Compliance. Approval is limited by the tabulated values, grade, and roof-level installations as shown in the chart below. Equipment Importance Factor assigned is $I_p=1.0$. The equipment is qualified by VMC Group via structural analysis of worst-case representative sample of certified product.

Certified Seismic Design Levels			
Certified IBC	Importance $I_p = 1.0$ Soil Classes A-E Risk Categories I-IV Design Categories A-F	$z/h = 1.0$	$z/h \leq 0.0$
		$S_{DS} \leq 2.3 g$	$S_{DS} \leq 2.3 g$

Certified Seismic Installation Methods
Rigid Ceiling Suspension

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Certified Product Table:

Model & Size	Size [in]		Weight [lb] ⁴	
	Length	Width	Min	Max
FG-00013; 4x8	95.75	47.75	116	236
FG-00014; 4x6	71.75	47.75	106	156
FG-00015; 4x6	71.75	47.75	94	181
FG-00016; 4x4	47.25	47.75	69	126
FG-00010; 4x6	47.25	71.75	93	170
FG-00011; 4x6	47.25	71.75	90	170
FG-00017; 4x8	47.25	95.75	109	207
FG-00018; 4x8	47.25	95.75	109	223
FG-00019; 6x8	95.75	71.75	160	250
FG-00020; 6x8	95.75	71.75	160	324
FG-00021; 6x8	71.75	95.75	145	310
FG-00022; 6x8	71.75	95.75	145	298
FG0009; 6x6	71.75	71.75	237	247
FG0006 6X6	71.75	71.75	110	210

The structural integrity of the CLOUD 2.0 fabricated parts and assemblies is analyzed and certified to withstand the listed seismic loading. Post seismic event functionality of the 3rd party devices termed as “Articles” by Overcast Innovations and their attachment to the CLOUD 2.0 fabricated parts and assemblies is not guaranteed.

Multiple Cloud integrated ceiling systems from sizes 4x4 to 6x8 with a max weight of 324 lbs. have been analyzed. The clouds were joined using aluminum or steel brackets attached with sheet metal screws. The brackets are attached to the frames. The joining distance ranges from 1/16” to 42” apart. The configurations are validated up to two clouds by five clouds. Contact manufacturer for further details and limitations of certification based on calculations and analysis performed.



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Notes and Comments:

1. Worst case representative samples exhibiting least seismic capacity from all units listed herein was selected for structural analysis. Units were analyzed using seismic loading criteria for non-structural components as set forth in the ASCE 7 chapter 13. The analyzed units cited in this certification are representative sample(s) of a contingent of models and based on the analysis of selected units. All other listed unit sizes are deemed structurally sound to resist the mentioned seismic criteria. Although a seismically qualified unit inherently contains some wind resisting capacity, that capacity is undetermined and is excluded from this certification. Snow/Ice loads were not considered for this analysis.
2. The following building codes are addressed under this certification:
 - IBC 2021 – referencing ASCE7-16
 - IBC 2018 – referencing ASCE7-16
 - IBC 2015 – referencing ASCE7-10
 - IBC 2012 – referencing ASCE7-10
 - IBC 2009 – referencing ASCE7-05
3. Refer to the manufacturer supplied installation drawings for anchor requirements and mounting considerations for seismic applications. Required anchor locations, size, style, and load capacities (tension and shear) may be specified on the installation drawings or specified by a 3rd party. Mounting requirement details such as anchor brand, type, embedment depth, edge spacing, anchor-to-anchor spacing, concrete strength, special inspection, ceiling design, and attachment to non-building structures must be outlined and approved by the Engineer of Record for the project or building. Structural supports must also be seismically designed and approved by the project or building Structural Engineer of Record to withstand the seismic anchor loads as defined on the installation drawings. The installation contractor is responsible for observing the installation detailed in the seismic installation drawings and the proper installation of all anchors and mounting hardware.
4. Weight of units should not exceed weight listed in the certified product table.
5. Where applicable, Mechanical, Electrical, and Plumbing connections to the equipment supported to units must be flexibly attached so as to not transfer load through the connection. The structural integrity of any conduit, cable trays, piping, ductwork and/or flexible connections is the responsibility of others. This certification does not guarantee the unit will remain compliant to NEMA, IP, UL, or CSA standards after a seismic event.
6. This certificate applies to units manufactured at:
9470 W 21st Suite 102, Spokane, Washington 99224

John P. Giuliano, PE
President, The VMC Group

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