

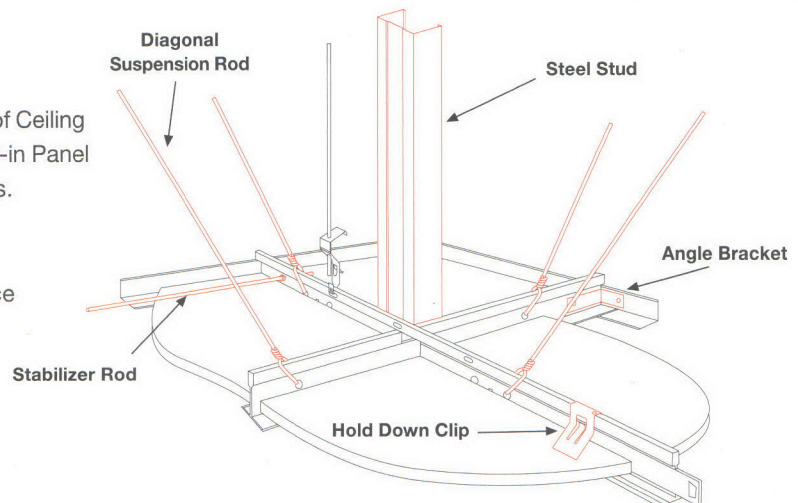
Application System

INSTALLATION METHOD

ASTM E-580 : Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-in Panel in Area Subject to Earthquake Ground Motions.

SEISMIC TEST METHOD

International Code Council – Evaluation Service (ICC-ES) AC-156 : Acceptance Criteria For Seismic Qualification By Share-Table Testing of Non-structural Components And Systems.



Test Result

Specimen	Description	Maximum Base Acceleration		Maximum Roof Acceleration	
		m/s ²	g	m/s ²	g
EX	Exposed Grid Ceiling System Longitudinal Motion	12.04	1.23	25.28	2.58
EY	Exposed Grid Ceiling System Transverse Motion	12.66	1.29	23.54	2.40
CO	Concealed Grid Ceiling System	14.14	1.44	27.78	2.83

Note : gravitational acceleration (g) = 9.81 m/s²

Observations :

- No damage on the three suspended ceiling specimens during the tests under increasing El Centro ground motion up to the maximum response above.
- Additional components for the exposed grid seismic system, i.e. BMS Hold Down Clips PN-411, Diagonal Wires, and BMS Rod Stabilizers PN-227M4 prevented the ceiling panels from falling down under collapse scenario.

Test Certificate

