



**FORELL/ELSESSER ENGINEERS, INC.**  
Structural Engineers

January 4, 2012

Re: Current Code Compliance Based on Previous GE Seismic Qualification Testing  
F/E Job No.: 10-002

To Whom It May Concern:

The General Electric equipment listed in the attached table was previously certified for seismic applications as prescribed by the earlier versions of the International Building Code (IBC), ASCE 7, and IEEE-693. In all cases, the equipment was certified by shake table testing, with the requirement that the equipment be operable before and after testing.

Current seismic certification requirements are established in accordance with the 2009 IBC, ASCE 7-05, ASCE 7-10, and IEEE-693-2005. The earlier testing results have been reviewed by Forell/Elmesser and where needed converted to the equivalent results defined by these current codes. The attached table lists the code-compliant seismic parameters for use in current projects.

Thank you.

Sincerely,

FORELL/ELSESSER ENGINEERS, INC.

Marco Scanu, SE #4454  
Principal



Enclosure: GE Certification List

## Equipment Ratings

The GE product lines listed below are certified per ASCE 7-05, IEEE-693-2005 and IBC-2009 for the following maximum seismic parameters. Samples of the most seismically significant constructions were tested to qualify each product line.

Product Line	Std/Opt	IBC-2009				Certification Report
		I <sub>p</sub> = 1.5, z/h = 1		I <sub>p</sub> = 1.5, z/h = 0		
		S <sub>s</sub>	S <sub>ds</sub>	S <sub>s</sub>	S <sub>ds</sub>	
Panelboards						
A-Series Lighting Panels						
AQ, AQP & AL	Std	2.72 g	1.81 g	4.35 g	2.90 g	10095950
AE & AEP		2.72 g	1.81 g	4.35 g	2.90 g	
AD & ADP		2.72 g	1.81 g	4.35 g	2.90 g	
Spectra Series Power Panelboards	Std	2.72 g	1.81 g	4.35 g	2.90 g	10095805
Switchboards						
Spectra & Jiffy Series Switchboards	Opt	2.69 g	1.79 g	4.35 g	2.90 g	10095999
Integrated Switchboards						
Without Transformer	Opt	2.69 g	1.79 g	4.35 g	2.90 g	10095999
With Transformer	Opt	2.69 g	1.79 g	4.35 g	2.90 g	
PowerBreak II/AV3 Switchboard	Opt	2.69 g	1.79 g	4.35 g	2.90 g	10096054
Switchgear						
AKD-10 LV Switchgear	Opt	2.13 g	1.42 g	3.45 g	2.30 g	10095954
AKD-20 LV Switchgear	Opt	2.13 g	1.42 g	3.45 g	2.30 g	
Entellisys LV Switchgear	Opt	2.13 g	1.42 g	3.45 g	2.30 g	10095844
PowerVac MV Switchgear	Opt	2.84 g	1.89 g	4.55 g	3.03 g	10095952
Motor Control Center						
Evolution LV Motor Control Center	Std	2.10 g	1.40 g	3.36 g	2.24 g	10095801
LimitAmp MV Motor Control Center	Opt	2.76 g	1.84 g	4.41 g	2.94 g	10095800
BreakMaster Load Interrupter Switch	Opt	2.13 g	1.42 g	3.75 g	2.50 g	10095791
Enclosed Drives	Std	3.02 g	2.01 g	5.70 g	3.80 g	10095809
Spectra Series Busway	Std	2.27 g	1.51 g	3.68 g	2.45 g	10095806
Transformers (LV)						
TransforMore & QL						
Floor Mounted	Std	1.97 g	1.31 g	3.15 g	2.10 g	10095845
Wall Mounted		2.09 g	1.39 g	3.38 g	2.25 g	
MQMS, IP & QB		2.75 g	1.83 g	4.50 g	3.00 g	

