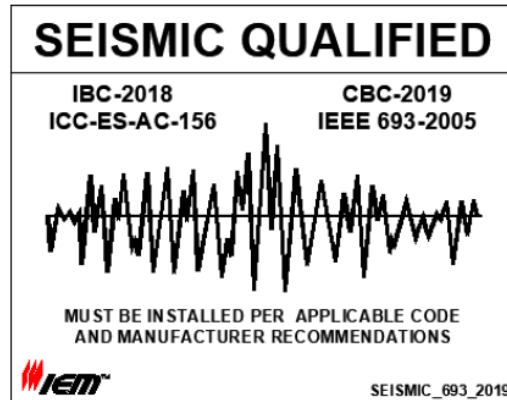


## CERTIFICATE OF SEISMIC COMPLIANCE

### Low Voltage Switchboard and Low Voltage Switchgear



Test Standards: IBC-2018, CBC-2019, IEEE 693-2005 and ICC ES-AC-156

Seismic Design in accordance with ASCE 7-10 Chapter 13

Seismic Parameters:

Design Spectral Response at Short Period,  $S_{DS} = 2.41g$

In-structure equipment or component amplification factor,  $a_p = 2.5$

Equipment or component response modification factor,  $R_p = 6.0$

Importance factor,  $I_p = 1.5$

Height factor ratio,  $z/h = 1.0$

Test Laboratories:

Southwest Research Institute (SWRI)

6220 Culebra Street

San Antonio, TX 78228

Test/Consulting Engineer



Ashok Kulkarni

Structural Engineering Consultant



Marco Scanu, SE #4454

Forell|Elsesser Engineers, Inc.

160 Pine Street, San Francisco, CA 94111

IEM has prepared this seismic certificate based on extensive seismic testing at SWRI and PEER Laboratories. Furthermore, OSHPD, Forell Elsesser, and SWRI have also reviewed the seismic test data to provide an independent confirmation of passing all seismic tests.

