



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

e-SEER
Engineering Seismology and
Earthquake Engineering Research



HC PRECAST SYSTEM SDN. BHD.

Earthquake Resistance System
Tested on
18 August 2011

@ Laboratory of Shake Table Testing
Faculty of Civil Engineering
Universiti Teknologi Malaysia
81310 Skudai, Johor

*Earthquake Resistance Test of Scaled-Down Double
Storey Building of
HC PRECAST SYSTEM SDN. BHD.*

Under 8 different real earthquake time histories over the world as follow:

Earthquake	Year	Scaled PGA (g)	Magnitude	Result
El-Centro, California	1940	0.96	7.1	
Tabas, Iran	1978	0.114	7.4	
Irpinia, Italy	1980	0.606	6.5	
Kobe, Japan	1995	1.035	6.9	
New Zealand	1987	0.165	5.6	
Taiwan SMART1	1983	0.117	6.8	
Duzce, Turkey	1999	0.075	7.1	
Malaysia Artificial	-	0.606	-	

*The **HC PRECAST SYSTEM** performed extremely well throughout all the earthquake tests without any visible cracks or damages*

Dr Azlan Adnan

Professor of Structural Earthquake Engineering
Faculty of Civil Engineering, Universiti Teknologi Malaysia

