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MEDITERRANEA srls – Seismic Elastomer Joints, GAE

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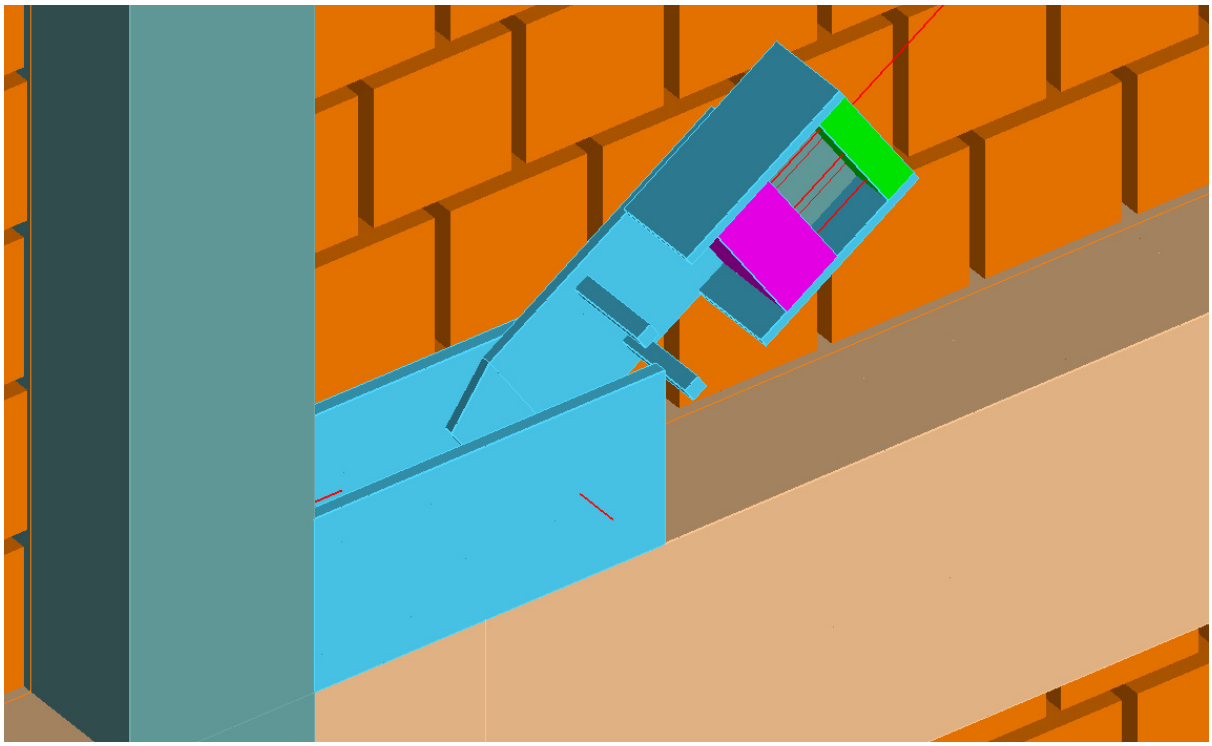

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LIST OF ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AEM	Applied Element Method
ASI	Applied Science International
ELS	Extreme Loading of Structures: AEM software package developed by ASI [1]
RC	Reinforced concrete
RTF	Reinforcement elements in the AEM analytic model
GAE	Giunti Antisismici Elastomerici - Seismic Elastomer Joints
EC8	Eurocode 8: Design of structures for earthquake resistance [2]
FEMA365	FEMA 356 Prestandard and Commentary for the Seismic Rehabilitation of Buildings [3]
NTC2018	Aggiornamento delle norme tecniche per le costruzioni, Gazzetta Ufficiale della Repubblica Italiana 42 [4]
SDOF	Single Degree of Freedom
MDOF	Multi Degree of Freedom
IRD	IRD srl Company
AMT	Amatrice time-history record
Units:	
mm	Millimeter (length)
kPa	Kilo Pascal (pressure)
MPa	Mega Pascal (pressure)
N	Newton (force)
kN	Kilo Newton (force)
daN	Deca Newton (force)

REVISION CHART AND HISTORY LOG

REV.	DATE	REASON
1	October 27th,2020	First Draft
2	November 17th, 2020	Seismic device design revision
3	February 2nd, 2021	Final revision