

May 20, 2015

To : All California Storage Rack users

From : RMI Seismic Instrumentation Committee

RE : Storage Rack Seismic Instrumentation Proposal

The RMI is proposing to instrument one or more in-place storage rack systems to measure the behavior of that system during seismic activity. This study will be overseen by a committee of RMI Member Company Engineers, Warehouse Operators, Government Agencies specializing in seismic monitoring, and other Engineers interested in storage rack seismic behavior. We have long held that Storage Racks perform much better than is perceived by many Seismic Engineers and Code Officials. This instrumentation initiative provides a significant opportunity to provide a clear determination of how storage racks perform in a seismic event.

We are requesting suggested site candidates for this monitoring from all interested parties, including the membership of RMI. At this time actual permission by the site owner or the sponsor for the monitoring is not required. No contact with this company or the contact person will be initiated by RMI or the Seismic Instrumentation Committee without informing the site owner and the sponsor and receiving approval of the site owner and sponsor. If different, the site proposer will also be informed.

Since the instrumentation is provided by the California Geological Survey department it is required that the systems be in California, in a high seismic activity location (preferably near-fault, or, in the red areas as shown on the attached map), and have received a building permit for the rack system. At this time we have had constructive and encouraging meetings with and offers of support from those who would be able to instrument such systems in California. A portion of the California building permit fees are allocated to underwrite the cost of the instrumentation. Therefore we do not believe that there will be any costs for the RMI, the sponsor or the site owner. However, the selected site(s) will need the capability to provide a map of occupied storage positions and weight per position at the time of any seismic event.

For this preliminary review, please fill out the form below as completely as possible with as much of the rack system information as is readily available and return to

Jeff Woroniecki JWoroniecki@MHI.org

Victor Azzi VictorAzzi@comcast.net

RMI Seismic Instrumentation Candidate Form

Sponsor: _____ Date _____

Sponsor Contact Person: _____

Phone: _____ E-Mail: _____

Candidate System

Company Name _____

Contact Person: _____ Phone: _____ E-Mail: _____

System Location _____

City _____

State _____ Zip _____

Latitude: _____ Longitude: _____

System Description (include photos, if available)

Installation Date: _____

Building Code & Edition Used _____

RMI Specification Edition Used _____

Building Size: _____

Warehouse Use Type: _____

Does the site have ability to report a load map? (Yes? No? Unsure?)

Rack Overall Footprint

System Width: _____ Row Length: _____

Number of Rack Rows: _____ Number of Bays per Row: _____

Height to Top Shelf: _____

Number of Shelf Levels: _____

Type of Handling Equipment (Conventional Lift Trucks, AS/RS, etc.)

Stored Unit

Type: _____

Unit Weight: Maximum: _____ Average: _____

Unit per Level: _____

Double Wide / Bay Double Deep

Type of Pallet (GMA, Euro, Plastic, Steel etc.): _____

Any other descriptive information you would like to include.