NHERI 10 STORY SHAKE TABLE

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Disclaimer: This presentation was developed by a third party and is not funded by WoodWorks or the Softwood Lumber Board.

NHERI 10 STORY SHAKE TABLE

Full scale 112' mass timber building constructed on a 3D shake table.

STRUCTURE
Structural framing w/ 4 Mass Timber
Rocking Walls
CLT, GLT, NLT, DLT, MTP Floor Panels
LVL Columns & Beams
Post Tensioned Rods

HIGHLIGHTS
The World’s Tallest Mass Timber Building ever tested.

NHERI 10 STORY IS BUILT AND TESTED ON THE WORLD’S LARGEST OUTDOOR SHAKE TABLE!
NHERI 10 STORY

Mass Timber Rocking Walls

Image credit to Lever Architecture
**NHERI 10 STORY - Rocking Wall Splice Mockup**

1 1/4" TENSION ROD HOLES WERE MACHINE FABRICATED TO CREATE A PILOT HOLE AND THEN HAND FABRICATED TO THEIR FULL 33" DEPTH.

THE EPOXY IS A TWO-PART SYSTEM THAT UTILIZES THE SAME CI-GV EPOXY. THE FIRST PART IS APPLYING A THIN GEL COAT AROUND THE ENTIRE PERIMETER OF THE HOLE THAT REQUIRES 24 HOURS OF CURE TIME.

THE SECOND STEP IS INSERTING THE 1" RODS AND FILLING THE ENTIRETY OF THE HOLE WITH THE SAME CI-GV EPOXY (SHOWN ABOVE).

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**NHERI 10 STORY Wall Splice Field Installation**

Image credit to Shiling Pai
NHERI 10 STORY
UFP Connection

NHERI 10 STORY - UFP Connection @ Bounding Column
THANK YOU!

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