EXPERIMANTAL STUDY OF BUCKLING-RESTRAINED BRACES



FABRICATE – TEST - DISASSEMBLE



Grooves prepared by urethane foams



Mortar casted



Strain gauges placed







Subjected to cyclic loading program

Cut open



Welded





$$E_{t} = E_{t1} + E_{t2} + E_{t3} + \cdots$$
$$\omega = \frac{E_{t}}{P_{y} \cdot \delta_{y}}$$
$$\omega = 77.7 \left(\frac{L_{1}}{L_{2}}\right)^{2} \cdot \frac{P_{E}}{P_{y}}$$

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