

BUILDING DIVISION

PLAN CHECK NOTE

From: Building Plan Check

PCN #15

Previous Version: 7-1-2011

Revised: 1-1-2014

Subject: Use of Simpson H1 type hardware for shear transfer

Reference: 2013 California Building Code

Purpose:

To provide direction to engineers regarding the use of Simpson H1 hardware.

Findings:

Except when conventional construction provisions are used, the use of H1 ties and similar hardware for shear transfer from roof or floor diaphragms to the top plates are prohibited. Such mechanism for shear transfer may subject the rafter/joists to cross grain bending, which is not considered as a positive means of transferring lateral loads.