Message

From: Jeff Ellis [jellis@strongtie.com]
Sent: 11/19/2015 3:11:05 AM
To: Tom Evans [tevans@strongtie.com]; Tim Kaucher [TKaucher@strongtie.com]
CC: Sam Hensen [shensen@strongtie.com]; Paul McEntee [PMcEntee@strongtie.com]
Subject: FW: MiTek USP FWH Fire Wall Hanger
Attachments: FWH Engineering Tech Bulletin 4-21-14.pdf; P1210739.jpg; P1210768.jpg

Below and attached is what we previously developed and sent to ICC-ES regarding USPs FWH.

Tim's team will review this information versus the FWH ICC-ES ESR for the and see if concerns still remain and, if so, we'll approach ICC-ES with the information once again.

From: Jeff Ellis
Sent: Wednesday, March 25, 2015 4:29 PM
To: Russ Krivchuk (rkrivchuk@icc-es.org); Ping Cheng (pcheng@icc-es.org)
Cc: Shahin Moinian (smoinian@icc-es.org)
Subject: MiTek USP FWH Fire Wall Hanger

Dear Mr. Krivchuk and Mr. Cheng,

In case you are reviewing or will be reviewing data from MiTek USP to include their new FWH Fire Wall Hanger, we wanted to bring to your attention concerns we have regarding it. The MiTek USP FWH technical bulletin that is attached does not appear to be their MiTek USP website, but has been handed out. Additional information regarding this hanger is shown at http://www.uspconnectors.com/pdf/connectors/FWH-sales-sheet.pdf.

We've developed our own DU/DHU/DHUTF Drywall Hangers, to which the FWH is a similar solution for a hanger installed over drywall, and have run numerous test setups and analyses in it's development, evaluation and load rating process and information on it is shown at http://www.strongtie.com/products/connectors/DU-DHU-DHUTF.asp as well as in our ICC-ES ESR-2552 revision file. I've attached a couple photos taken at the end of our drywall hanger tests showing top plate splitting and rolling for this hanger type and which is the limiting performance factor.

Some of our concerns include:

- Their technical bulletin shows a test setup using 2x6 framing but their literature does not specify framing sizes
- Their test setup appears to be partly relying on a steel jig rather than a wood wall assembly obviously which would yield better results
- Their test setup seems to artificially restrain top plate rotation and splitting with a steel tube obviously which would yield better results. Top plate behavior/rolling is the limiting factor for this hanger type (see attached photos).

We'd be happy to go over the testing and evaluation we've performed on our DU/DHU/DHUTF Drywall Hangers and show you our concerns regarding the MiTek USP WH Fire Wall Hanger in a meeting with you if you so desire.

Respectfully,

Jeff Ellis, P.E., S.E.
Director of Codes & Standards
Simpson Strong-Tie Company Inc.
12246 Holly Street
Riverside, CA 92509
(714) 738-2029
www.strongtie.com

Columbia EX2140
Simpson Strong-Tie Company Inc. v. Columbia Insurance Company
PGR2024-00050



SST0008420

For trends in design and materials, code updates and views into Simpson Strong-Tie R&D and testing, subscribe to our Structural Engineering Blog: **http://seblog.strongtie.com.**