

August 22, 2024

Anna Aranci
Burmon Building Products ("Customer")
51/76 Bayview Street
Runaway Bay, Queensland 4216
Australia

**Subject: Comparative Analysis
9-inch (230 mm) anchorage in 4-in (100 mm) ICF wall**

Dear Anna,

At the request of Burmon Building Products, Intertek-ATI Engineering performed a comparative analysis of an un-tested 9-inch (230 mm) threaded insert that is required for a wider 4-inch (100 mm) ICF wall. A review of the Test Report *K9541.01-119-42 RO, 02/04/21. Load Testing of ICF Joist Hanger and Wood ledger Connector* determined the tested system used a 6 3/8-inch (162 mm) and threaded inserts in a 2.559-inch (65 mm) ICF block wall. The failure mode in the Tested specimens represented obvious signs of shearing in the metal brackets (IC wood ledger bracket and ICF joist hanger). The anchor bolts showed no signs of failure or movement in the test. Based on this evidence, the longer 9-inch (230 mm) bolts for the thicker 4-inch (100mm) ICF wall are qualified proportionately. Therefore, the strength values indicated in the Test Report can be recognized and used in the performance of the 9-in (230 mm) bolt anchorage in the 4-inch (100 mm) ICF.

Please contact Intertek-ATI if you have any questions.

For Intertek-ATI,

Tanya A. Dolby, P.E.
Engineering Manager

Daniel S. Swartz
Project Engineer

cc: R7104.01-122-34

