



October 5, 2006

## Technical Bulletin

**Re:** Welded Connections at Embed Anchors

Installation of **Hardy Frame**<sup>®</sup> Panels and Brace Frames on concrete or a wood sill plate requires embed anchors to be connected with flat washers and nuts that secure the product “snug tight” to the supporting surface below. All of the threads in the nut must be filled but we do not have a minimum requirement for the number of anchor threads to extend above the nut. When installation of **Hardy Frame**<sup>®</sup> Panels or Brace Frames involve embed bolts with stripped threads or that have been set too low to apply the nut with all threads engaged the following applies:

- For conditions that a nut can be installed with all threads engaged, but not to a point to provide a tight connection to the base of the Panel/Brace Frame, standard flat washers or plate washers can be stacked to fill the space and provide the secure connection required.
- For conditions that a nut can be installed, but not all threads are engaged, Hardy Frames, Inc. is not opposed to applying a “puddle weld” inside the nut to affix it to the top of the threaded rod.
- For conditions that preclude the installation of a nut, Hardy Frames, Inc. is not opposed to installing a flat or plate washer and welding it to both the Panel/Brace Frame base and the embed bolt to provide a positive connection.

For all conditions that require welding, the design and the quality control are to be per the projects Design Professional. Provided the welded connection at tension anchors is capable of resisting the design uplift, our product will not be compromised in resisting the published load values.

If you have any questions or need further clarification on this or any other Hardy Frame details please call us at (800) 754-3030.

Sincerely,

Hardy Frames, Inc.

**Note:** This is a clarification by Hardy Frames, Inc. and is not intended to override requirements by the Design Professional.

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