

Hardy Frame Shear Wall System

The **Hardy Frame** Shear Wall System, a MiTek Builder Product, is the leading pre-fabricated shear wall in the residential and multi-family building industry. The strength, stiffness and ductility of the Hardy Frame System enables architectural design to maximize window and door openings without compromising the structural integrity to resist earthquake and wind loading. Hardy Frame Shear Walls are an excellent solution for soft-story retrofit applications.

Our Shear Wall System is comprised of Panels, Brace Frames and Special Moment Frames. Panels are a light gage “C-Shape” available in 9 through 24 inch widths and light gage Brace Frames are rectangular with a single diagonal member available in 32 and 44 inch widths. Special Moment Frames are a structural steel product that can be custom engineered and made to job specific conditions.

Hardy Frame Panels and Brace Frames deliver the highest allowable loads when installed directly on concrete but they can be installed on various supporting services including raised and upper floor systems. Details for a wide variety of installations are available and are commonly included as “supplemental sheets” with plan submittals to the Building Department.

A complete line of accessory items are also available. Accessories include:

- Template Kits (HFXTK) complete with all components needed to install wet pour hold down anchors
- Templates (HFXT) and Bolt Braces (HFxBB) for single Panel installation
- Double Templates (HFXTDT) and Double Bolt Braces (HFXTDBB) for “Back to Back” Panel installations for double the shear capacity
- Base Extensions (HFBX) that provide a means of connecting adjacent trimmers and king studs at narrow garage returns
- Bearing Plates (HFXTBP) for installation below Panels on wood floor systems to distribute compression loads and reduce the effect of wood crushing
- Tension Connector Kits (HFXTCK) with all thread, nuts and washers for connecting Panels on upper floors to Panels on lower floors
- USP WS3 and WS45 screws for making top connections and for bottom connections when installed on a wood floor system



Hardy Frame Panels and Brace Frames have been evaluated in ICC-ES ESR-2089



The **Hardy Frame** Special Moment Frame has been approved by the American Institute of Steel Construction (AISC) for inclusion in AISC 358, the Prequalified Moment Connection Standard demonstrating that it meets code and that third party evaluation reports are not necessary.

For more information visit www.MitekBuilderProducts.com