

The First and Only Cold Formed Steel (CFS) Moment Frames

MiTek[®]
HARDY FRAME[™]

The all new MiTek Hardy Frame[®] CFS Moment Frame and CFS Picture Frame are the industries first standardized, pre-engineered, pre-manufactured cold formed steel moment frames.

Lighter and less cost than structural steel moment frames, our CFS product line provides high capacities, ductility and cost economics that complete a spectrum of MiTek shear wall solutions.

Standard configurations are the Hardy Frame[®] CFS Moment Frame (portal applications) and the Hardy Frame CFS Picture Frame for stacking in multi-story applications.

Hardy Frame[®] CFS Moment Frame

Code Report: ER-491

- Similar materials and installation as Hardy Frame Panels the industry leader for 20 years
- Available in standard designs and standard detailing
- Capacities that are equal to four or five Hardy Frame Panels of same width
- Can be installed “Back to Back” to double the capacity

Hardy Frame[®] CFS Picture Frame

- Second beam that assembles at the bottom of the Frame distributes compression over wood below to significantly reduce crushing and maintain shear capacity
- Incorporates the MiTek Z4 Continuous Tie-Down System to transfer overturning and uplift forces to the foundation
- Narrow columns (12 through 21") and shallow beam depths (12 and 15") enable large openings and architectural freedom
- Ships as a “knock-down” unit: easy to handle, ship and field assemble



Lateral Systems

Hardy Frame[®] Moment Frames

MiTek Hardy Frame[®] Special Moment Frames are constructed of wide flange columns connected to hollow structural steel (HSS) beams with SidePlate special moment connections.

The SidePlate special moment connection is approved in the AISC 358 Prequalified Moment Connections Standard and the review included testing that confirmed lateral bracing to prevent twist and out-of-plane displacements is not required at the hollow structural section (HSS) beams. Standard configurations are the Hardy Frame[®] Moment Frame with a pinned base and the Hardy Frame[®] Picture Frame.

Hardy Frame[®] Moment Frame

- Standard designs for nominal 6" through 14" column depths with pinned base anchorage are now available
- Delivery options for pre-assembled, bolted column splice or “knock-down”
- All standard designs fit in typical 8" wall framing, 6" column depths fit 6" framing
- New construction and retrofit applications
- Includes wood nailers at top & bottom of HSS beam and at all column flanges

Hardy Frame[®] Picture Frame

- Constructed with HSS beams at top and bottom of Frame, SidePlate special moment connections at all four corners
- HSS beam at bottom of Frame eliminates the engineering and field construction of costly grade beams
- Significant reductions in installation time result from elimination of field built grade beam
- Standard designs for nominal 6" through 14" column depths that fit into typical wall framing with double the capacity of our pinned base option are now available
- All the same delivery options and wood nailer inclusions as the Hardy Frame[®] Moment Frame with pinned base



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