

STRONG-WALL™ SHEARWALL

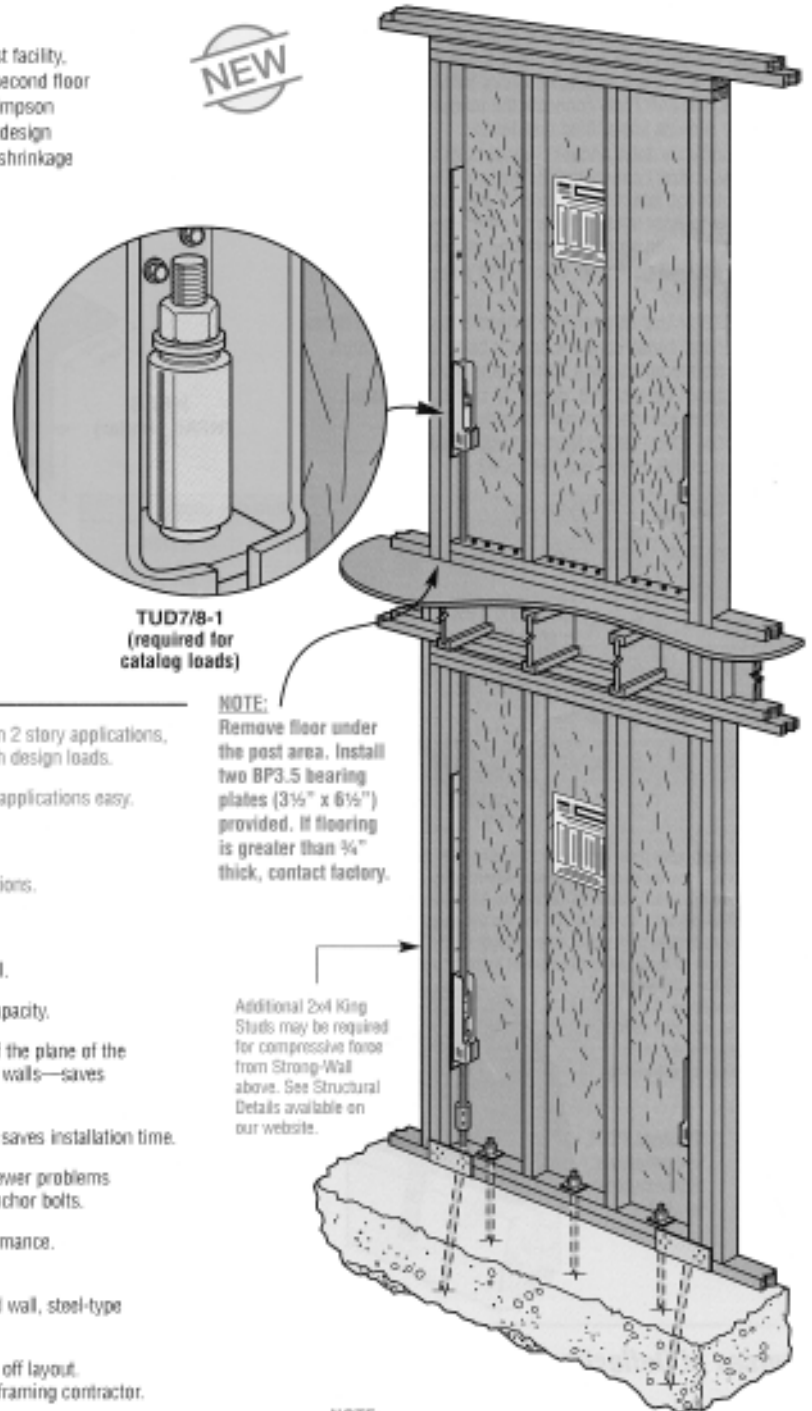
NEW! THE STRONG-WALL™ SHEARWALL FOR 2nd FLOOR APPLICATIONS!

After extensive full scale testing at our state-of-the-art Cyclic Test facility, Simpson Strong-Tie introduces the Strong-Wall for use on the second floor of two-story wood light-frame construction. Utilizing our new Simpson Takeup Device, the TUD, second floor applications achieve high design loads by reducing deflection in the system due to natural wood shrinkage and wood crushing which will occur during seismic events.

Check our website
www.simpsonstrongwall.com
for structural details.

New! Simpson Takeup Device (TUD) features:

- 1" of takeup maintains system integrity.
- Fits up to 3/4" all thread rod.
- Opposing threads are self tightening.
- Protective sleeve keeps debris out.



TUD7/8-1
(required for catalog loads)

NOTE: Remove floor under the post area. Install two BP3.5 bearing plates (3 1/2" x 6 1/2") provided. If flooring is greater than 3/4" thick, contact factory.

Additional 2x4 King Studs may be required for compressive force from Strong-Wall above. See Structural Details available on our website.

NOTE: The Engineer of record is responsible for concrete design.

FEATURE	BENEFIT
New! Pre-attached End Post Strap	Required for 1st floor walls in 2 story applications, strengthens end post for high design loads.
Holes in Top Member Pre-Drilled for All Thread Rod and/or Wiring	Makes installation in 2 story applications easy.
Stacked or Offset Wall Configurations for 2nd Story Installation	Allows for flexible design options.
Wood Wall	Higher R value than steel wall.
Continuous Top Plate	Achieves higher drag strut capacity.
3 1/2 Inches Thick	No diaphragm sticking out of the plane of the wall; no furring out adjacent walls—saves on installation costs.
Pre-Attached Holdowns	Assures high quality control, saves installation time.
Slotted Holes for Perpendicular Adjustments	Field adjustability results in fewer problems associated with misplaced anchor bolts.
Factory Built, Fingerprinted, High Quality Materials	Consistent quality and performance.
Allows for Greater Than 2-to-1 Aspect Ratio	Can use less expensive wood wall, steel-type is labor-intensive.
Template available for Placement of Anchor Bolts	Anchor bolts less likely to be off layout. Saves time for concrete and framing contractor.
Design Load Values Derived from Cyclic Testing of Complete Wall System	Higher degree of confidence in building performance for owner, engineer and insurance company.
Higher loads than conventional field built shearwalls	Requires 30-70% less lineal footage than conventional shearwall. Eliminating excess shear panels can reduce water entrapment problems associated with some stucco installation methods.

The building designer shall verify that these details are consistent with the complete load path requirements of the structure.

STEEL PRODUCTS