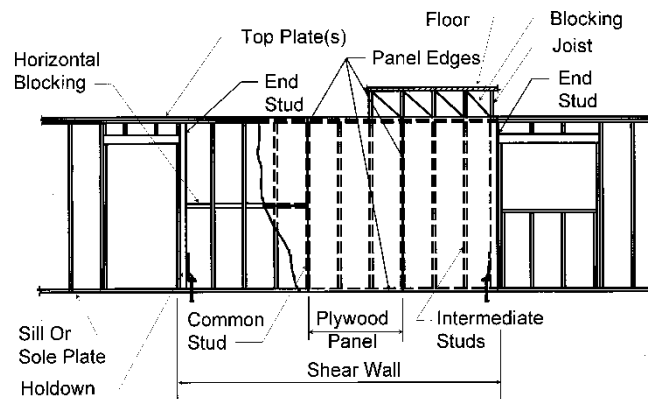


Shear Walls Worksheet

The requirement for bracing conventional wood frame dwellings is not new. For years, homes have been successfully braced using a variety of techniques, even before the first building codes in the United States required it. Conventional wood frame dwellings must be adequately braced to resist lateral (racking) forces due to wind and earthquakes. To achieve this structural safety objective, several wall bracing options and requirements are offered prescriptively in the 2009 International Residential Code IRC Section R602.10, Wall Bracing.

2305.1 General. Structures using **wood-frame shear walls or wood-frame diaphragms to resist wind, seismic or other lateral loads shall be designed and constructed in accordance with AF&PA SDPWS** and the applicable provisions of Sections 2305, 2306 and 2307.

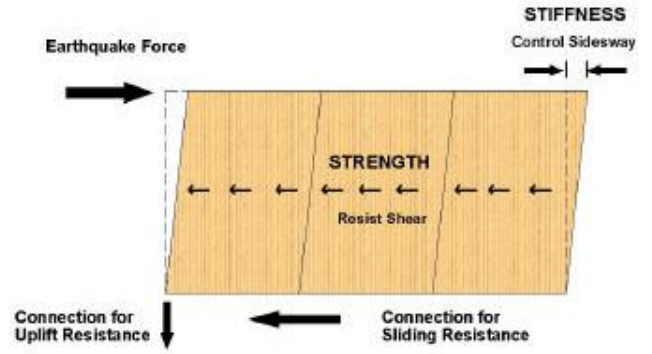
What are shear walls?



Where should shear walls be located?

What types of forces do shear walls resist?

What are the functions of a shear wall?



How do shear walls provide strength?

How do shear walls work?
