

## BEAM POCKETS IN PBS PANELS

Premier Building Systems Panels used in residential construction have had great success especially in the western United States. A design that is favored in these locations calls for beams to be pocketed into the wall panel assembly. This detail provides for an aesthetically pleasing interface between the wall and the support mechanism for roofs and floors.

When this detail is used in conjunction with PBS panels the following points should be considered:

- Loads for the type of detail shown below are limited to the point loads established in the PBS Design Manual. Basically this calls for a maximum design load of 2450 pounds for a standard 2x plate used in the panel under the beam. The use of a cap plate does not allow for increased loads in this application. When loads exceed 2450 pounds posting is required under the beam.
- This detail provides for a thermal short circuit to the panel system. Great care should be taken to seal this joint. After sealants are placed in the pocket all interior interfaces must be further sealed with PBS SIP Tape.
- Maximum design loads can be compromised if the beam pocket is over cut at the corner of the pocket. Good craftsmanship is required to assure that the pocket is not over cut in the corners.

