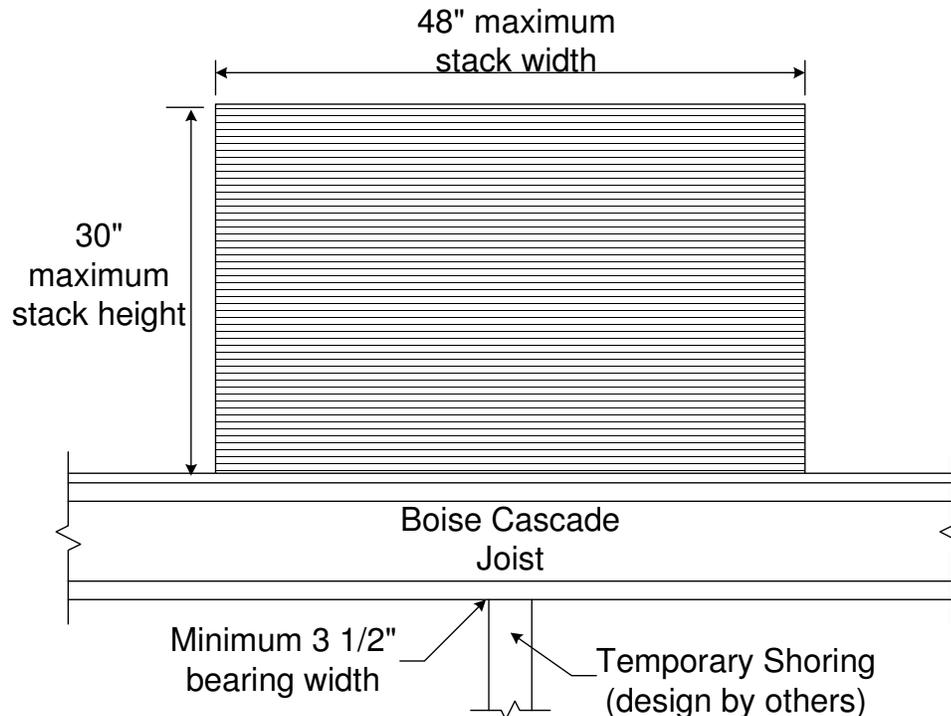


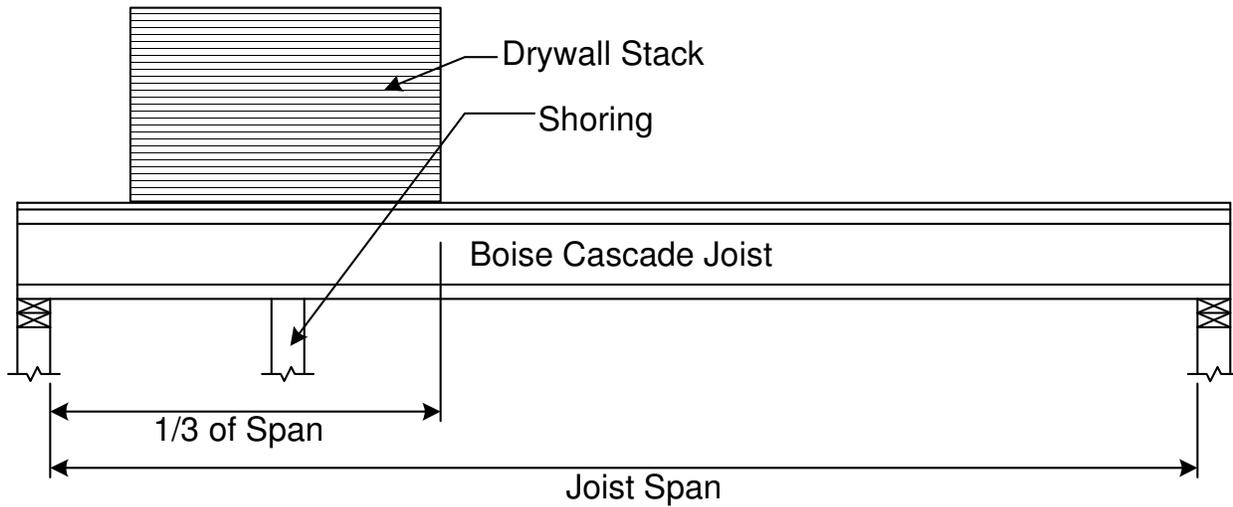


Temporary Storage of Gypsum Wallboard on BCI[®]/AJS[®] Joists with Shoring

The practice of stacking gypsum wallboard on wood floors prior to the installation is common and necessary to the successful completion of any residential project. Because of the enormous weight, caution should be used in the placement location and size. As a general rule, wallboard stacks should not exceed a height of 11 inches and should be located near supports (bearing walls, supporting beams). However if larger stacks are required within the structure, the following guidelines should be followed.



- 1) **The design of the shoring members and transfer of load from the shoring is the responsibility of the design professional of record. Inadequate shoring design voids the joist warranty.**
- 2) Gypsum wallboard shall be stacked no higher than 30 inches tall (60 sheet limit for 1/2" gypsum board, 48 sheet limit for 5/8" gypsum board).
- 3) Wallboard stacks shall be oriented with their long dimension perpendicular to the joist layout direction. In this orientation, more joists are supporting the wallboard.



- 4) Wallboard stacks shall be placed adjacent to joist support (i.e. bearing wall) or no further than 1/3 of the span distance away from the support (see figure above).
- 5) No more than one gypsum stack shall be placed on a single joist.
- 6) Limits shown are valid for all series and depths if the specific floor joists are properly sized for the occupancy design loads. Contact Boise Cascade Engineering for floors with a total design load that exceeds 60 psf.
- 7) Boise floor joist shall not be spaced greater than 24" on-center. Floor sheathing shall be designed by the structure's design professional of record.
- 8) The floor shall not be loaded with wallboard for a period longer than 4 weeks.
- 9) Avoid allowing the joists or floor sheathing to get wet while loaded. Wet wood will take a permanent set, which may be unsightly.