



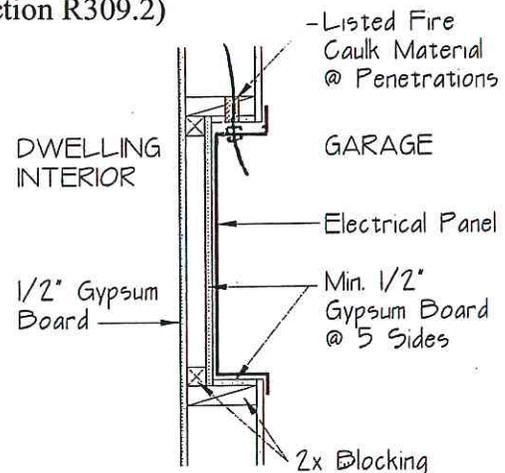
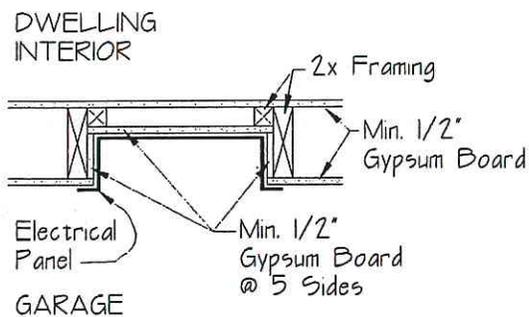
CITY OF HELENA BUILDING DIVISION



Miscellaneous "BITS" of information that may be of interest to the City of Helena Contractors and Design Professionals April 2008



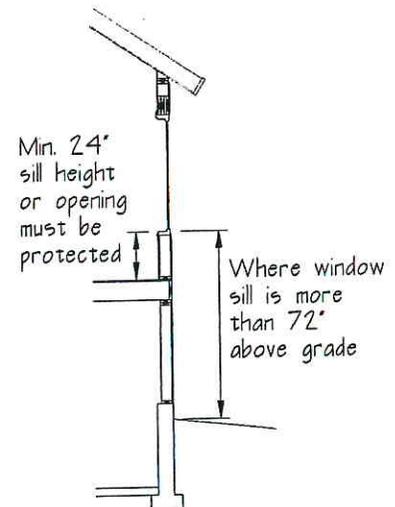
ELECTRICAL PANEL BOARDS IN GARAGE SEPARATION WALLS – Whenever possible electrical panelboards should not penetrate a garage / dwelling unit separation wall. **Either surface mounting or locating the panel outside of the garage separation wall is the preferred method of installation.** Where a panel must be installed in the separation wall between the garage and a residential dwelling unit of a one- or two-family dwelling, one option of installation is to place the gypsum board protection as shown below. All four sides and the back shall be protected with minimum 1/2" gypsum board. Fireblocking shall be installed at the top and bottom and any penetrations through the gypsum board shall be sealed with a listed fire caulk rated for the intended use. All electrical components shall be installed as required by NEC. If another method is preferred, contact the City Building Division to review and ensure separation compliance. (2006 IRC – Section R309.2)



WINDOW SILLS – (Section R613.2) – New section in the 2006 International Residential Code – This new language is applicable to every window in the exterior walls, regardless of the room in the dwelling where the window is located, and as such it will need additional attention with regard to the emergency egress and rescue windows required in sleeping rooms.

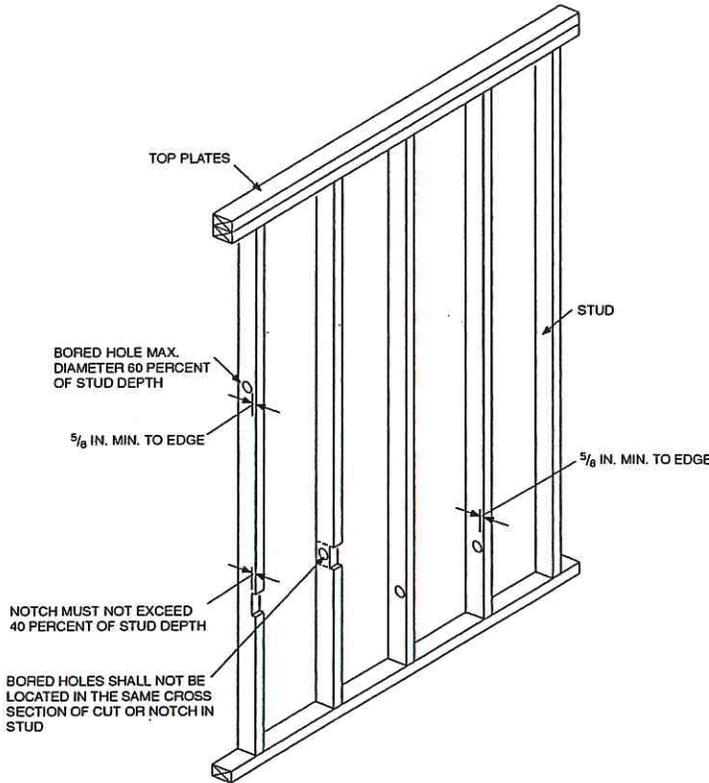
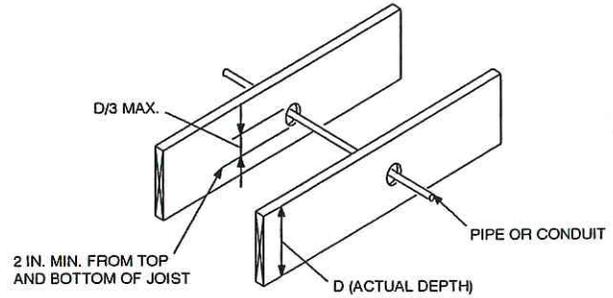
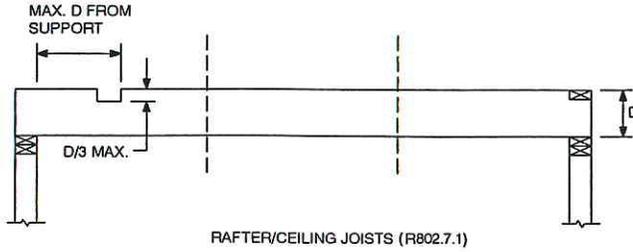
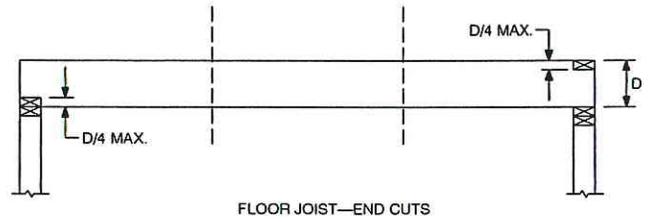
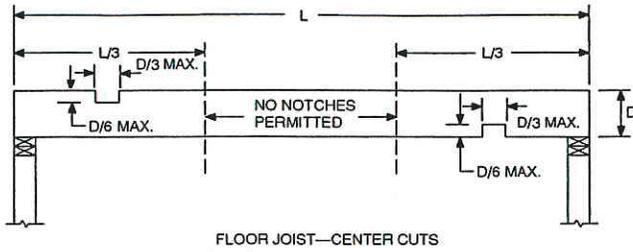
"In dwelling units, where the opening of an operable window is located more than 72" above the finished grade or surface below, the lowest part of the clear opening of the window shall be a minimum of 24" above the finished floor of the room in which the window is located. Glazing between the floor and 24" shall be fixed or have openings such that a 4" diameter sphere cannot pass through.

Exceptions: #1 – Windows whose opening will not allow a 4" dia. sphere to pass through the opening when the opening is in its largest opened position. #2 – Openings that are provided with window guards that comply with ASTM F2006 or F2090.

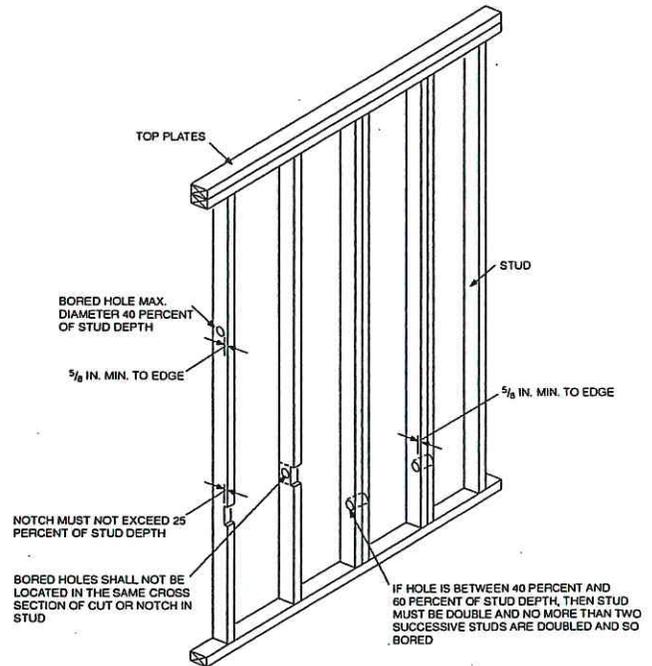




NOTCHING AND BORING OF STRUCTURAL MEMBERS – Structural floor and all wall framing members shall not be cut, bored or notched in excess of the limitations specified in the building code. See diagrams below. (2006 IRC – Section R502.8, R802.7.1, R602.6 & R602.6.1)



NOTCHING AND BORED HOLE LIMITATIONS FOR INTERIOR NONBEARING WALLS



NOTCHING AND BORED HOLE LIMITATIONS FOR EXTERIOR WALLS AND BEARING WALLS

