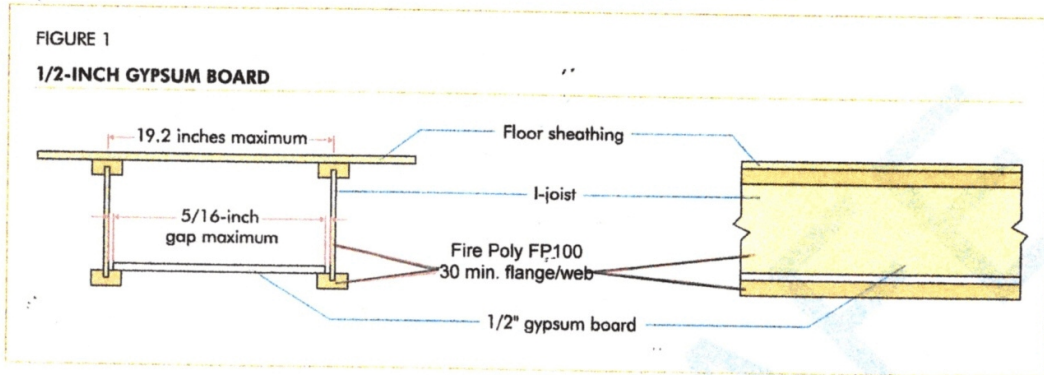
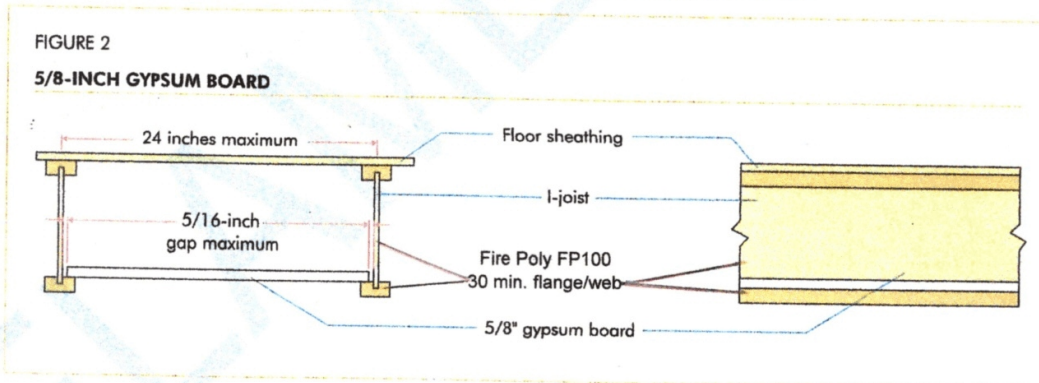


**1/2-inch Gypsum Board Installed on Top of the Bottom Flange for I-joist Spacing 19.2 inches or less on center. (FP-06 in System Report SR-405)**



Installers can add one layer of 1/2-inch gypsum board cut to fit between the I-joist webs and sized to lie on the top of the bottom flange of the I-joist. The minimum I-joist flange dimension must be 1-1/8 inches by 2 inches. No fasteners or adhesives are required to secure the gypsum. A maximum gap of 5/16 inch between the edge of the gypsum and the I-joist web is allowed. Penetrations of I-joist webs for ducts, vents, electrical outlets, wiring, piping and the like are the same as those shown in the typical hole chart recommended by the manufacturer. This method works well for unfinished basements where builders or homeowners prefer not to have a finished gypsum membrane covering the ceiling. It complies with the IRC provisions and makes it easier to access or add mechanicals in the ceiling later, should the need arise. This option can be used when joist spacing is 19.2 inches on center or less.

**5/8-inch Gypsum Board Installed on Top of the Bottom Flange for I-joist Spacing up to 24-inch I-joist on center. (FP-07 in System Report SR-405)**



Similar to FP-06, this option calls for a layer of 5/8-inch gypsum board cut to fit between the I-joist webs and sized to lie on the top of the bottom flange of the I-joist, where joists are spaced up to 24 inches on center. The minimum I-joist flange dimension must be 1-1/8 inches by 2 inches. No fasteners or adhesives are required to secure the gypsum. A maximum gap of 5/16 inch between the edge of the gypsum and the I-joist web is allowed. Penetrations of I-joist webs for ducts, vents, electrical outlets, wiring, piping and the like are the same as those shown in the typical hole chart recommended by the manufacturer. This method also works well for unfinished basements where builders or homeowners prefer not to have a finished gypsum membrane covering the ceiling. It complies with the IRC provisions and makes it easier to access or add mechanicals in the ceiling later, should the need arise. This option can be used when joist spacing is up to 24 inches on center.

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