



FIGURE 4B—ASSEMBLY B (One-hour Fire-resistance-rated Roof-ceiling or Floor-ceiling Assembly):

Applicable Assembly	Assembly Description	Maximum TJI Joint Spacing	Sheathing Required	Floor or Roof Topping Required
One-Hour (A, B, C, D, E, F, H)	24 inches on-center	Minimum 48/24 span-rated sheathing (Exposure 1).		1 1/8" PROVIDED
Two-Hour (G)	20 inches on-center	Minimum 40/20 span-rated sheathing (Exposure 1)		

FIGURE 4B—ASSEMBLY B (One-hour Fire-resistance-rated Roof-ceiling or Floor-ceiling Assembly):

Assembly	Assembly Figure	STC Rating	Assembly Components Required	IIC Rating	Floor Covering Required
Assembly B Option 1	Figure 4B	50, minimum	Assembly B constructed with resilient channels spaced at 16 inches on-center to separate the ceiling membrane from the structural framing	60	The floor covering must include a 40-ounce-per-square-yard pad and a 55-ounce-per-square-yard carpet.
Assembly B Option 2	Figure 4B	58, minimum	Assembly B constructed with resilient channels spaced at 16 inches on-center to separate the ceiling membrane from the structural framing	54	• Assembly B constructed with resilient channels spaced at 16 inches on-center to separate the ceiling membrane from the structural framing • Ceiling covering must consist of Tarrell Acoustic sheathing vinyl, 1/2" thick, Type X gypsum board, and the bottom of the floor cavity must contain 3/4-inch-thick glass fiber insulation
Assembly D Option 1	Figure 4D	47	Assembly D constructed with a 1/2-inch-thick topping of gypsum concrete recognized in a current ICC-E evaluation report	54	• Assembly D constructed with a 1/2-inch-thick topping of gypsum concrete recognized in a current ICC-E evaluation report • Ceiling covering must consist of Tarrell Acoustic sheathing vinyl, 1/2" thick, Type X gypsum board, and the bottom of the floor cavity must contain 3/4-inch-thick glass fiber insulation
Assembly D Option 2	Figure 4D	59	Assembly D constructed with a 1/2-inch-thick topping of gypsum concrete recognized in a current ICC-E evaluation report	54	• Assembly D constructed with a 1/2-inch-thick topping of gypsum concrete recognized in a current ICC-E evaluation report • Ceiling covering must consist of Tarrell Acoustic sheathing vinyl, 1/2" thick, Type X gypsum board, and the bottom of the floor cavity must contain 3/4-inch-thick glass fiber insulation
Assembly G	Figure 4G	50		64	EARTHWORKS' BRIGHT ON WALL WOOD PLANK 1/2" X 3 1/2" X 16' GLUE -DOWN WILL BE PROVIDED IN LIEU OF ARMSTRONG VIOS.

