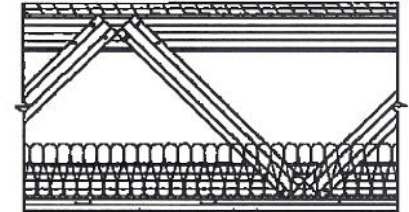
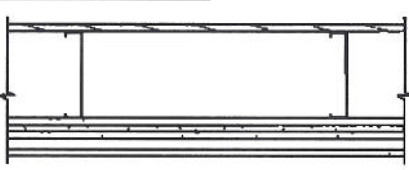


FLOOR-CEILING SYSTEMS, STEEL FRAMED, WOOD FLOOR

GA FILE NO. FC 4515	PROPRIETARY*	1 HOUR FIRE
STEEL TRUSSES, RESILIENT CHANNELS, MINERAL OR GLASS FIBER INSULATION, GYPSUM WALLBOARD		
<p>One layer 5/8" proprietary type X gypsum wallboard or gypsum veneer base applied at right angles to resilient furring channels with 1 1/8" Type S drywall screws 12" o.c. Resilient channels spaced 12" o.c. when insulation is used or 16" o.c. when no insulation is used. Gypsum board end joints attached with screws 12" o.c. to additional pieces of channel 60" long located 3" back on either side of end joint. Resilient channels applied at right angles to bottom chord of light-gage steel trusses 48" o.c. with 1/2" Type S-12 screws. Optional glass fiber or mineral fiber batt or loose fill insulation applied directly over gypsum board. Trusses supporting 2 3/8" wood structural panel subfloor applied at right angles to trusses with construction adhesive and mechanical fasteners 12" o.c. and 1 5/8" wood structural panel underlayment applied at right angles to trusses with mechanical fasteners 12" o.c. Joints staggered between underlayment and subfloor.</p> <p style="text-align: center;">PROPRIETARY GYPSUM BOARD</p> <p>National Gypsum Company - 5/8" Gold Bond® Brand FIRE-SHIELD C™ Gypsum Wallboard</p>		

GA FILE NO. FC 4750	GENERIC	2 HOUR FIRE
WOOD FLOOR, STEEL CHANNEL JOISTS, GYPSUM WALLBOARD, RIGID FURRING CHANNELS		
<p>Base layer 5/8" type X gypsum wallboard applied at right angles to channel shaped, minimum 8" deep, 18 gage galvanized steel joists 24" o.c. with 1 1/8" Type S-12 drywall screws 12" o.c. Second layer 5/8" type X gypsum wallboard applied at right angles to joists with 1 5/8" Type S-12 drywall screws 12" o.c. Second layer joints offset 24" from base layer joints. Third layer 5/8" type X gypsum wallboard applied at right angles to joists with 2 3/8" Type S-12 drywall screws 12" o.c. Third layer joints offset 12" from second layer joints. Hat-shaped rigid furring channels 24" o.c. applied at right angles to joists over third layer with two 2 3/8" long Type S-12 drywall screws at each joist. Face layer 5/8" type X gypsum wallboard applied at right angles to furring channels with 1 1/8" Type S drywall screws 12" o.c. Joists supporting 3/4" T & G edge plywood floor applied at right angles to joists with #10x1 1/8" screws 12".</p>		

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**Contact the manufacturer for more detailed information on proprietary products.*