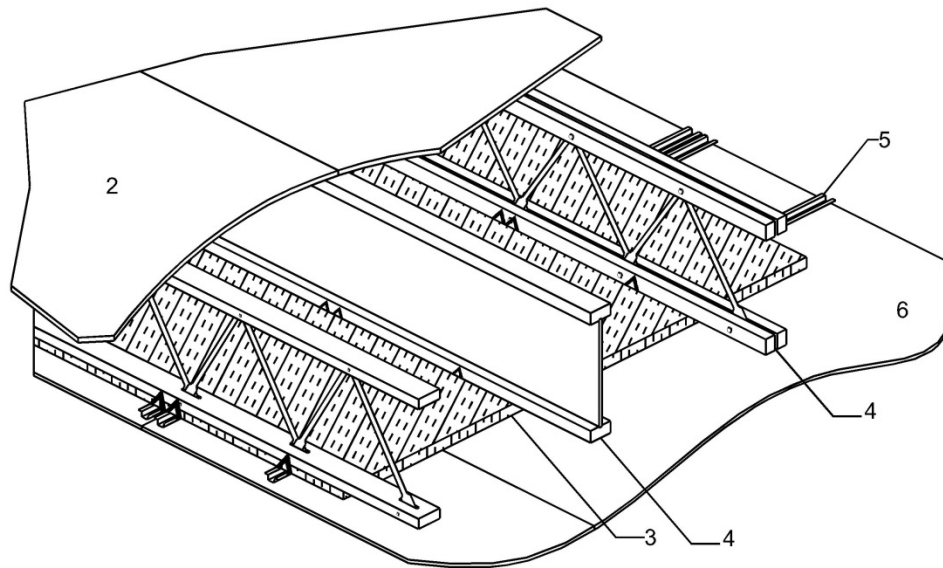


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**Design Number RBL/SFWT 60-04**  
**REDBUILT OPEN-WEB TRUSS & RED-I JOIST SERIES**

RedBuilt LLC  
ASTM E119 and CAN/ULC S101  
Load Bearing Fire Resistance Rated Roof/Ceiling, Floor/Ceiling Assembly  
60-Minute Rating

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1. FLOOR TOPPING (Optional, not shown): Gypsum concrete, lightweight or normal concrete topping. When used as a roof assembly, materials for a built-up roof covering that are described in an assembly that provides a Class A, B, or C rating on combustible wood decks may be used.

2. FLOOR SHEATHING: Min. 23/32 in. thick tongue-and-groove wood sheathing, designed and installed per code requirements. When used as a roof assembly, min. 1/2 in. thick wood sheathing may be used, when designed and installed per code requirements.

3. INSULATION: Min. 1 in. thick mineral wool insulation batts – 6 pcf (min.). Batts installed on top of furring channels and under bottom flange of joists with the sides butted against support clips. The ends of the batts shall be centered over furring channels and tightly butted.

4. CERTIFIED COMPANY: RedBuilt LLC

CERTIFIED PRODUCT: Shop fabricated wood trusses

CERTIFIED MODELS:

RED-I JOIST SERIES: RED-I65, RED-I90, RED-I90H and RED-I90HS.

OPEN-WEB TRUSS SERIES: RED-L, RED-W, RED-M and RED-H.

9 1/4 in. min. deep joists spaced a max. of 24 in. on center (oc) (Min. 1-1/2 in. by 2 5/16 in. bottom flange dimensions). Installed in accordance with the Code.

5. FURRING CHANNELS: Min. 0.0179 in. thick galvanized steel hat-shaped furring channels, attached perpendicular to joists

spaced 24 in. oc. Channels secured to I-joists with Simpson Type CSC support clips at each intersection with the joists. Clips nailed to the side of joist bottom flange with one 1-1/2 in. long No 11 GA nail. Additional channels are required at gypsum board end joints so that each board is attached to a separate channel. These additional channels shall extend to the next joist on each side of the board end joint.

6. GYPSUM WALLBOARD: Min. 1/2 in. thick Type C gypsum wallboard. Wallboard installed with long dimension perpendicular to furring channels and fastened to each channel with min. 1 in. long Type S drywall screws. Fasteners spaced 12 in. oc in the field of the wallboard, 6 in. oc at wallboard end joints, and 1-1/2 in. from panel edges and ends. Edge joints shall be centered between joists. End joints shall be staggered one channel spacing and offset from insulation joints by a min. of one channel spacing.

7. FINISH SYSTEM (Not Shown): Face layer joints covered with tape and coated with joint compound. Screw heads covered with joint compound.