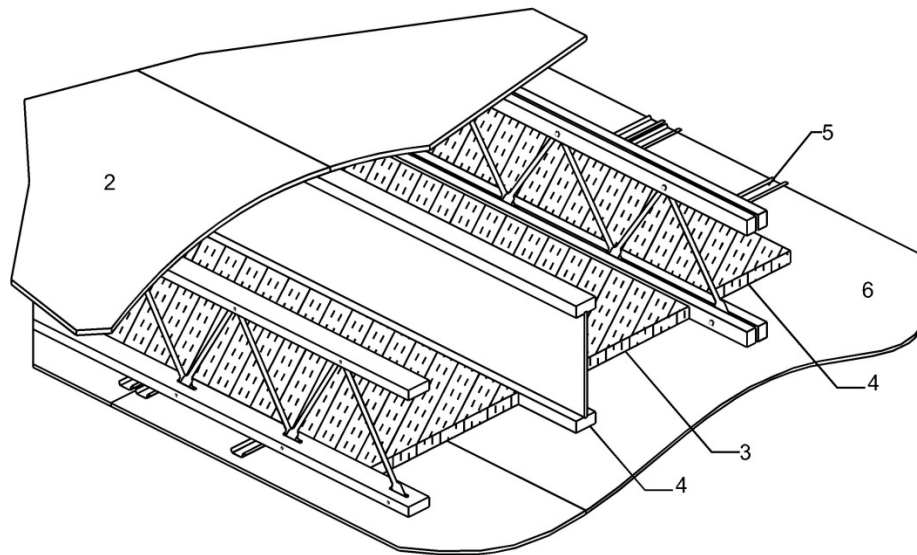


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**Design Number RBL/SFWT 60-02**  
**REDBUILT OPEN-WEB TRUSS & RED-I JOIST SERIES**

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. 5/8 in. thick 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. 1-1/2 in. thick mineral wool insulation batts – 2.5 pcf (min.), friction fitted between the bottom flanges of the joists and supported by resilient channels. Ends of batts shall be centered over resilient channels and tightly butted.

4. CERTIFIED COMPANY: RedBuilt LLC

CERTIFIED PRODUCT: Shop fabricated wood trusses

CERTIFIED MODELS:

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

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

9-1/4 min. deep joists spaced a max. of 24 in. on center (oc) (Min. 1-1/2 in. X 3-1/2 in. bottom flange dimensions). Installed in accordance with the Code. The max. spacing may be increased to 48 in. oc when the ceiling is applied to stripping spaced a max. of 24 in. oc. The stripping must be a nominal 2 in. X 4 in., construction-grade lumber attached to the joists bottom flange using two 10d nails.

5. RESILIENT CHANNELS: Min. 0.019 in. thick galvanized steel resilient channels, attached perpendicular to joists using 1-5/8 inch long drywall screws. Resilient channels spaced a max. of 16 in. oc. 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. 5/8 in. thick Type C gypsum wallboard installed with long dimension perpendicular to resilient channels and fastened to each channel with min. 1 in. long Type S drywall screws. Fasteners spaced 12 in. oc in the field, 8 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.

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