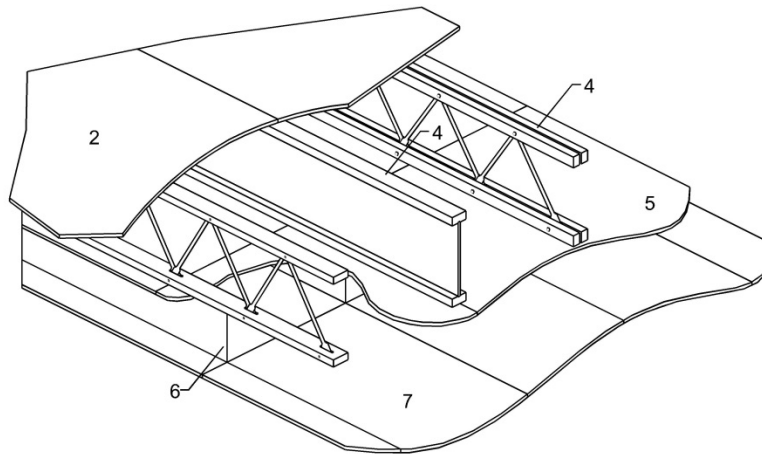

Design Number RBL/SFWT 60-07
REDBUILT OPEN-WEB TRUSS & RED-I JOIST SERIES

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



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 (Optional, not shown): Installed in the cavity between the joists. When installed, insulation shall be supported by stay wires spaced a min. of 12 in. On Center (oc)..

4. CERTIFIED COMPANY: RedBuilt LLC

CERTIFIED PRODUCT: Shop fabricated wood trusses

CERTIFIED MODELS:

RED-I JOIST SERIES: RED-I45L, RED-I53, RED-I58, RED-I45, RED-I65, RED-I90, RED-I90H and RED-I90HS.

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

Min. 9-1/4 in. deep joists spaced a max. of 24 in. oc. 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 by 4, construction-grade lumber attached to the joists bottom flange using two 10d nails.

5. CEILING MEMBRANE (Directly attached to joists): The ceiling membrane must be installed perpendicular to the joists (or stripping) and must consist of a single layer of min. 1/2 in. thick, Type X gypsum board. The gypsum board is fastened using 1-5/8 in. long, Type S screws spaced 6 in. oc at the edges and 8 in. oc in the field.

6. SUSPENDED SYSTEM: The panels shall be supported by a fire-resistance-rated suspension system, listed for use with assemblies utilizing wood framing for a time period equal to or greater than this assembly rating. The distance from the bottom of the joists to the suspended ceiling must be a min. of 12 in..

7. SUSPENDED CEILING: The suspended ceiling panels shall be min. 5/8 in. thick, 2 ft. X 2 ft. or 2 ft. X 4 ft., USG FIRECODE AURATONE lay-in acoustical board.

8. LIGHT FIXTURES (Optional, not shown): Max. size 2 ft. X 4 ft. are permitted to be installed in the ceiling, provided the aggregate area of fixtures does not exceed 12 square ft. per 100 square ft. of ceiling area.

9. RETURN AIR DUCT (Optional, not shown): A galvanized steel duct is permitted for each 200 square ft. of ceiling, provided the duct has a max. 12 in. diameter steel diffuser opening without a damper, and a max. 6 in. by 12 in. return air opening.

10. FIXTURE PROTECTION (Not shown): A galvanized steel duct is permitted for each 200 square feet of ceiling, provided the duct has a max. 12 in. diameter steel diffuser opening without a damper, and a max. 6 in. X 12 in. return air opening.