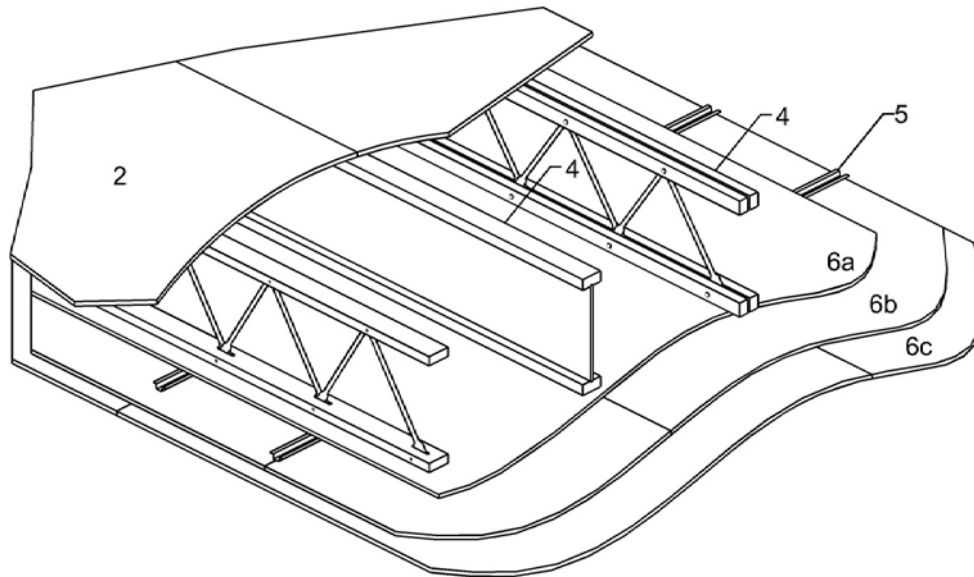

Design Number RBL/SFWT 120-01
REDBUILT OPEN-WEB TRUSS & RED-I JOIST SERIES

RedBuilt LLC
ASTM E119 and CAN/ULC S101
Load Bearing Fire Resistance Rated Roof/Ceiling, Floor/Ceiling Assembly
120-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, installed per code requirements. When used as a roof assembly, min. 1/2 in. thick wood sheathing may be used, installed per code requirements.

3. INSULATION (Optional): 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.

9-1/4 in. min. deep joists spaced a max. of 24 in. oc. Installed in accordance with the Code.

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 16 in. oc (channels installed after first layer of gypsum and used to support the

second and third layers of gypsum wallboard).

6. GYPSUM WALLBOARD: Three layers of min. 5/8 in. Type C gypsum wallboard as follows:

6a. Wallboard Base Layer: Base layer of wallboard installed perpendicular to the joists and directly attached to the bottom flange using 1-5/8 in. Type S drywall screws at 12 in. oc. End joints of wallboard centered on bottom flange and staggered a min. of one joist spacing.

6b. Wallboard Middle Layer: Middle layer of wallboard attached to channels using 1 in. Type S drywall screws spaced 12 in. oc with the long dimension of wallboard perpendicular to channels. Edge joints shall be centered on the joists and offset a min. of one joist spacing from base layer end joints. End joints staggered a min. of one channel spacing and offset from the edge joints in the base layer a min. of one channel spacing.

6c. Wallboard Face Layer: Face layer of wallboard attached to channels through middle layer using 1-5/8 in. Type S drywall screws spaced 8 in. oc. Edge joints of face layer wallboard joints shall be centered on the joists and offset a min. distance equal to the joist spacing from those of middle layer. End joints of face layer of wallboard staggered a min. of one channel spacing and offset a min. of one channel spacing with respect to the middle layer end joint and base layer edge joint.

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