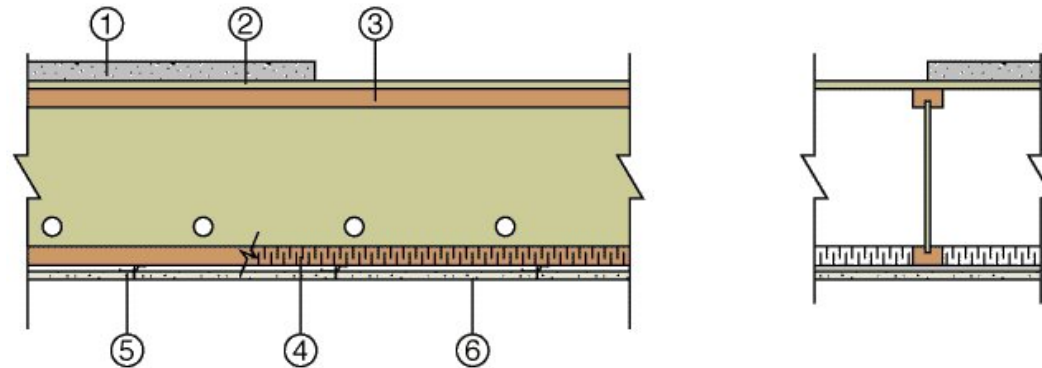


DESIGN NO. PWT/WIJ 60-04 (06 17 33)  
 ASSEMBLY RATING: 60 MINUTES  
 ROOF/CEILING ASSEMBLY



1.	<b>Roof Covering System:</b> Insulation and roof covering materials intended for built-up covering which provides Class A, B, C covering on combustible wood decks for fire resistant assemblies equivalent to this assembly.
2.	<b>Sheathing:</b> Minimum 1/2" square edge plywood or oriented strandboard (OSB). Sheathing installed perpendicular to joists, with end joints staggered, fastened in accordance with Code requirements.
3.	<b>Structural Members:</b> Pacific Woodtech Corporation PWC Series I-joists having a minimum depth of 9-1/2", installed at 24" oc maximum.
4.	<b>Insulation:</b> 1-1/2" rock wool insulation, nominal 2.5 pcf density, friction fit between flanges.
5.	<b>Resilient Channels:</b> Minimum 25 gauge galvanized steel channels installed perpendicular to joists and spaced 16" oc maximum. Additional channels required at gypsum wallboard end joints such that each board end rests on its own channel. These additional channels shall extend to the next joist on each side of the board edges. Channels fastened with 1-5/8" long Type W screws at each joist intersection.
6.	<b>Gypsum Board:</b> One layer of 5/8" Type C gypsum wallboard installed perpendicular to channels with end joints staggered 48". Boards to be fastened to channels with minimum 1-1/8" Type S screws located 7" oc. Screws shall be minimum 1-1/2" from board edges and 3/4" from board ends. Gypsum wallboard shall be taped and filled. Screw heads shall be filled with gypsum joint compound.

DESIGN NO. PWT/WIJ 120-01 (06 17 33)

Design listings are based on, and supported by, proprietary test reports. The test reports further define proprietary design details which make these listings applicable only to the specified products manufactured by the listed manufacturer.

Unless otherwise noted, the assemblies in this section have been evaluated for conformance to the following standards:

ASTM-E119, Standard Methods of Fire Tests of Building Construction & Material

CAN/ULC-S101, Standard Methods of Fire Endurance Tests of Building Construction & Materials

NFPA-251, Fire Tests of Building Construction & Materials

UBC-7-1 (formerly 43-1), Uniform Building Code Standard - Fire Tests of Building Construction Materials

UL-263, Fire Tests of Building Construction & Materials.

Designs listed are minimum construction requirements to achieve fire ratings. Specifiers should obtain detailed specifications for the listed assemblies from the manufacturer of the listed components.

Labeled components are identified with the WHI Certification Mark, embossed on the component or Certification Mark and design numbers on component or packaging.