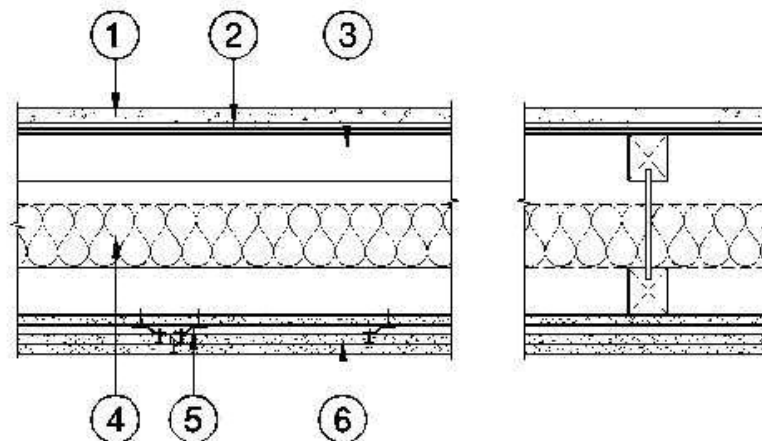


DESIGN NO. PWT/WIJ 120-01 (06 17 33)  
 ASSEMBLY RATING: 120 MINUTES  
 FLOOR/CEILING ASSEMBLY



1.	<b>Topping (Optional):</b> Lightweight concrete or proprietary topping.
2.	<b>Sub-Flooring:</b> Minimum 5/8" plywood or oriented strandboard (OSB). Sub-flooring 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 (Optional):</b> Max. 6" fiberglass or rockwool batt insulation, friction fit between webs, and supported using wires every 16".
5.	<b>Resilient Channels:</b> Minimum 25 gauge galvanized steel resilient 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 two 1-5/8" long Type S screws at each joist intersection.
6.	<b>Gypsum Board:</b> Three layers of 5/8" Type C gypsum wallboard. Base layer applied directly to joists, installed with long dimensions perpendicular to joists with end joints butted over joists and staggered 24" minimum. Base layer fastened with 1-5/8" Type S screws, spaced 12" oc at the joints and in the field. Middle and Face layer installed over channels with long dimension perpendicular to resilient channels and edges, staggered 24" from base layer end joints. Middle layer fastened with 1 in. Type S screws located 12" oc at the joints and in the field. Face layer fastened with 1-7/8" Type S screws are placed 8" oc at joints and in the field. (Screw lengths are minimums).

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.