**ASSEMBLY RATING: 60 MINUTES**

**FLOOR/CEILING ASSEMBLY**

1. **Topping (Optional):** Lightweight concrete or proprietary topping.

2. **Sub-Flooring:** Minimum 5/8” plywood or oriented strandboard (OSB). Sub-floors installed perpendicular to joists, with end joints staggered, fastened in accordance with Code requirements.

3. **Structural Members:** Pacific Woodtech Corporation PWT Series I-joists having a minimum depth of 9-1/2”, installed at 24” oc maximum.

4. **Insulation:** 1-1/2” rock wool insulation, nominal 2.5 pcf density, friction fit between flanges.

5. **Resilient Channels:** 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 joint intersection.

6. **Gypsum Board:** 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.