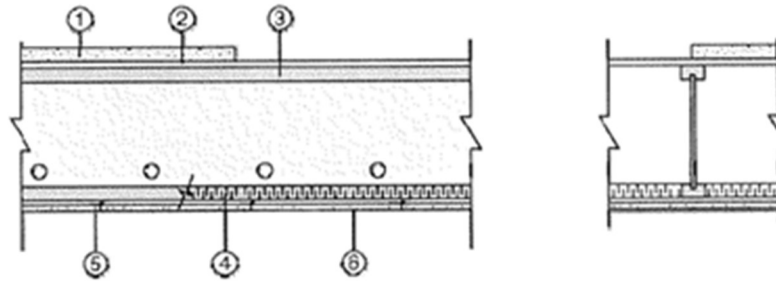


**IB EWP Inc.**  
**Design No. IB/MWP 60-04**  
**Roof/Ceiling Assembly**  
**IB EWP Inc. (IB) Series I Joists**  
**ASTM E119 and CAN/ULC S101**  
**Fire Resistance Rating: 1 Hour**



1. **ROOF COVERING SYSTEM:** Insulation and roof covering materials intended for built-up covering which provides Class A, B, or C covering on combustible wood decks for fire resistant assemblies equivalent to the assembly.
2. **SHEATHING:** Min. 1/2 in. thick plywood or Oriented Strand Board (OSB) installed perpendicular to joists, with end joints staggered. Min. sheathing thickness (based on framing spacing) and fastener schedules shall comply with the Code.
3. **CERTIFIED MANUFACTURER:** IB EWP Inc.  
  
**CERTIFIED PRODUCT:** IB I Joists  
  
**CERTIFIED MODEL:** IB600, IB800 or IB900x  
  
I-joists having a min. depth of 9-1/2 in., installed at 24 in. on center (oc) max. (min. 1-1/2 in. x 3-1/2 in. flange dimensions).
4. **INSULATION:** Min. 1-1/2 in. thick mineral wool insulation batts – 2.5 pcf (min.), friction fitted between the bottom flanges of the joists and supported by resilient channels. Ends of batts shall be centered over resilient channels and tightly butted.
5. **RESILIENT CHANNEL:** Min. 0.019 in. (28 GA) thick galvanized steel resilient channels, attached perpendicular to joists using 1-5/8 in. long Type W screws. Resilient channels spaced a max. of 16 in. oc. Additional channels are required at gypsum board end joints such that each board is attached to a separate channel. These additional channels shall extend to the next joist on each side of the board end joint.
6. **GYPSON BOARD:** Min. 5/8 in. thick Type C gypsum wallboard installed with long dimension perpendicular to resilient channels and fastened to each channel with min. 1-1/8 in. long Type S screws. Fasteners spaced 12 in. oc in the field, 8 in. oc at wallboard end joints, and 1-1/2 in. from panel edges and ends. Edge joints shall be centered between joists. End joints shall be staggered one channel spacing.
7. **FINISHED SYSTEM (Not Shown):** Face layer joints covered with tape and coated with joint compound. Screw heads covered with joint compound.