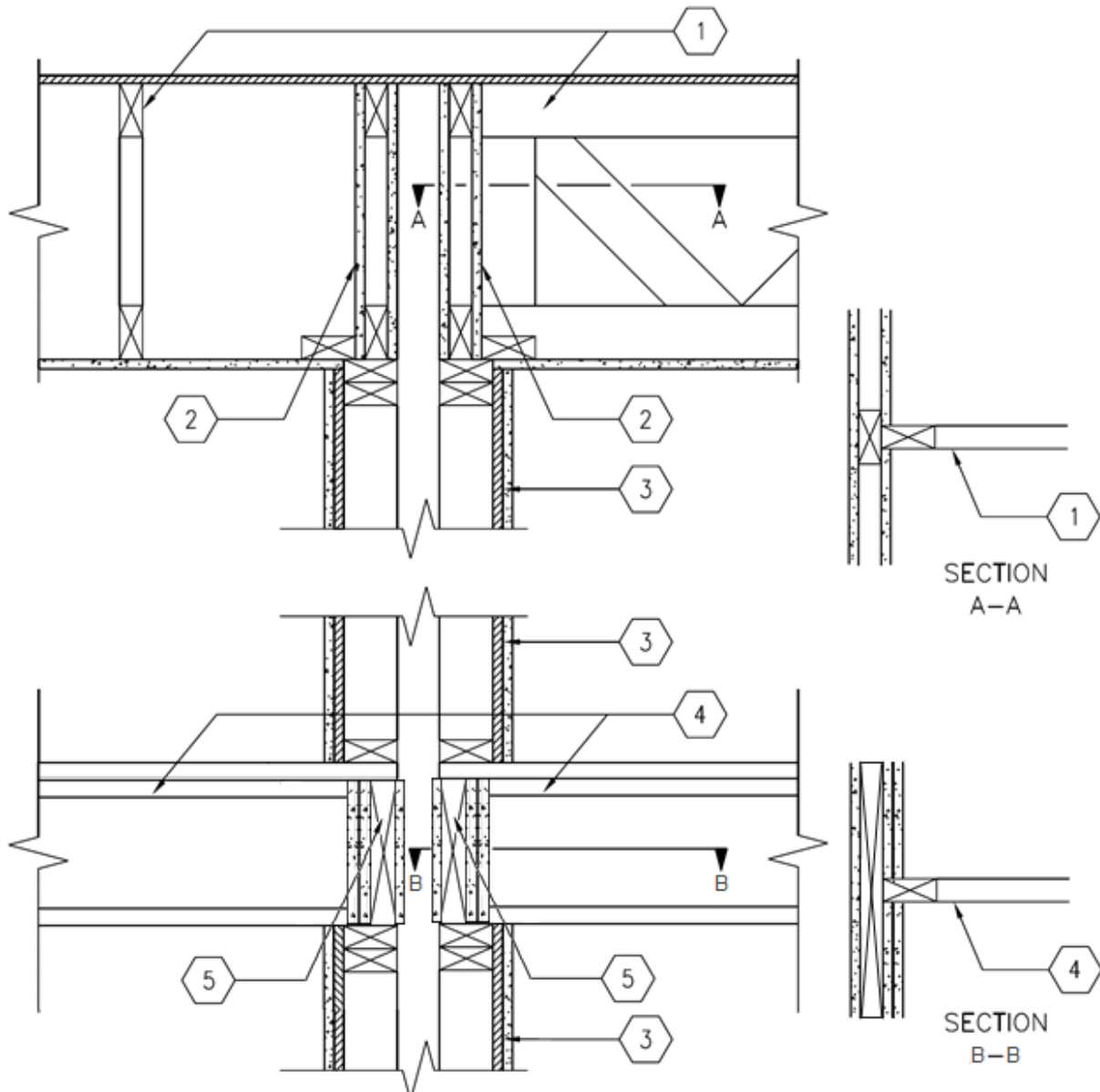


Louisiana-Pacific Corporation
Design No. LPC/RB 120-07
Rim Board
LP® SolidStart® Rim Board
ASTM E119
Rating: 2 Hour



The assembly is based on a residual rim board thickness of 3/8 in. and assumes the unexposed rim board acts as a thermal barrier only. The perpendicular floor framing to have vertical load carrying capacity to support the applied gravity loads from the wall above.



- 1. ROOF/CEILING:** Roof/ceiling assembly constructed with trusses or joists per the project specifications. Trusses or joists can be parallel or perpendicular to the 2 hr fire-resistance rated wall assembly (Item 3).

As illustrated in Section A-A view, a continuous vertical web is allowed at each truss with min. 1 in. overlap for interior gypsum on each side of truss. Gypsum board to be continuous on interior or cut to fit tight between trusses with max. 1/16-in. gap.

- 2. 2-HR FIRE RATED CONTINUITY TO ROOF DECK:** Maintain the 2 hr fire-resistance rated separation by installing a truss or joist parallel with the 2 hr fire-resistance rated wall on each of the two top plates. For non-load bearing truss or joist apply 1 layer (continuous) of 5/8 in. thick Type X gypsum board on each side of the truss or joist (shown) using 1-7/8 in. long, 8d cement coated nails spaced 8 in. on center (oc). For load bearing truss or joist, apply 2 layers (continuous) of 5/8 in. thick Type X gypsum board on each side of the truss or joist (not shown) using 1-7/8 in. long, 8d cement coated nails spaced 12 in. oc for the first layer and 2-3/8 in. long, 8d cement coated nails spaced 8 in. oc for the second (outer) layer. Joint treatment not required at square edges.
- 3. WALL ASSEMBLY:** Intertek Design No. BTC/WPPS 120-02 or UL Design No. U350 Configuration A (shown) and Configuration B, 2-hr fire-resistance rated wall assembly, continuous from floor to ceiling.
- 4. FLOOR/CEILING ASSEMBLY:** Floor/ceiling assembly constructed with trusses or joists per the project specifications. Trusses or joists are perpendicular to the 2 hr fire-resistance rated wall assembly (Item 3). The ends of the trusses

or joists are to have sufficient load carrying capacity to support the applied vertical load from the wall above. The unexposed face of the rimboard, non-fire side, is assumed as a thermal barrier only.

- 5. RIMBOARD:** Solid LSL Rimboard.

CERTIFIED PRODUCT: Louisiana-Pacific Corporation, LP® SolidStart® LSL.

Alternatively, other composite lumber conforming to all pertinent provisions of ASTM D5456 maybe used and must maintain minimum requirements specified below.

Maintain the 2 hr fire-resistance rating continuity through the floor/ceiling assembly (Item 4) with the following:

One, min. 1-1/8 in. thick, continuous solid LSL or solid wood. Apply two layers of min. 5/8 in. thick, Type X gypsum board on the occupied side of the rim board using 1-7/8 in. long, 8d cement coated nails spaced at 12 in. oc for the first layer, and 2-3/8 in. long, 8d cement coated nails spaced at 8 in. oc for the second (outer) layer.

Additionally, apply one layer of min. 5/8 in. thick, Type X gypsum board on the unoccupied side of the rim board using 2-3/8 in. long, 8d cement coated nails spaced at 8 in. oc.

As illustrated in Section B-B view, the interior gypsum may be discontinuous at the floor framing. Gypsum board to be continuous or cut to fit tight between floor framing with max. 1/16 in. gap.



Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.