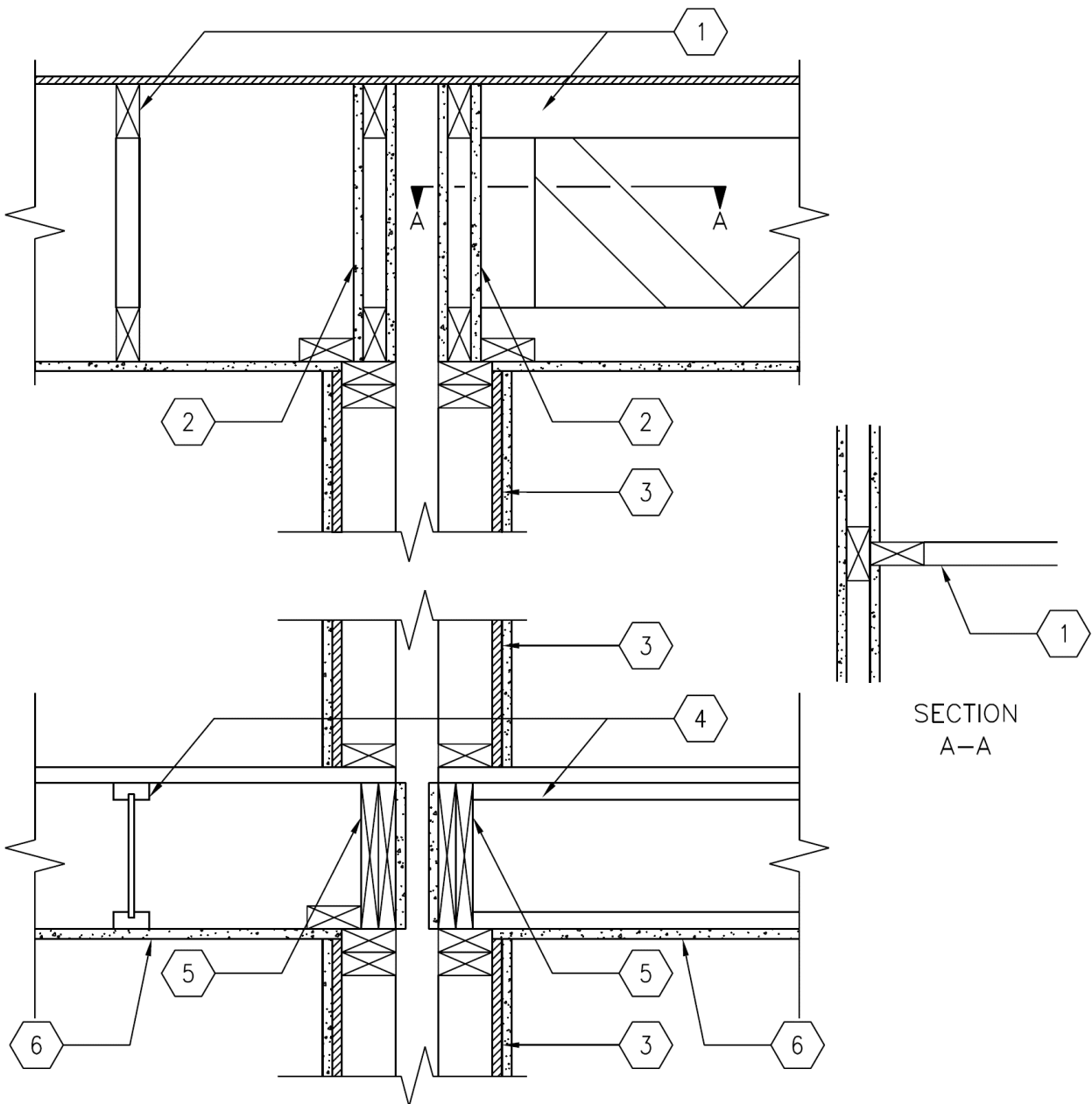


Louisiana-Pacific Corporation
Design No. LPC/RB 120-05
Continuous Assembly
LP® FlameBlock® Fire Rated Sheathing
ASTM E119
Fire Resistance Rating: 2 Hour



The assembly is based on a residual rim board thickness of 1 in.



- 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-hour 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-HOUR FIRE RATED CONTINUITY TO ROOF DECK:** Maintain the 2-hour fire-resistance rated separation by installing a truss or joist parallel with the 2-hour fire-resistance rated wall on each of the two top plates. For non-load bearing truss or joist, apply one 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 two 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:**

CERTIFIED PRODUCT: Louisiana Pacific Corporation, Wood Sheathing, LP® FlameBlock®

Intertek Design No. BTC/WPPS 120-02 or UL Design No. U350 utilizing LP® FlameBlock® as

wood sheathing Configuration A (shown) and Configuration B, 2-hour 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 can be parallel or perpendicular to the 2-hour fire-resistance rated wall assembly (Item 3). For parallel framing, provide intermediate blocking at max. 4 ft. oc.

- 5. RIMBOARD:** Structural Composite Lumber (SCL) conforming to all pertinent provisions of ASTM D5456 and must maintain min. requirements specified below.

Maintain the 2-hour fire-resistance rating continuity through the floor/ceiling assembly (Item 4) with option A or B.

- A. One min. 2-1/4 in. thick continuous solid SCL. Apply one layer (continuous) of min. 5/8 in. thick Type X gypsum board on the unoccupied side of the rim board using 1-7/8 in. long, 8d cement coated nails spaced 8 in. oc.
- B. Two min. 1-1/8 in. thick, continuous SCL. Apply one layer (continuous) of min. 5/8 in. thick Type X gypsum board on the unoccupied side of the rim board using 1-7/8 in. long, 8d cement coated nails spaced 8 in. oc.

- 6. GYPSUM BOARD:** Min. 5/8 in. thick Type X gypsum board required on ceiling of floor/ceiling assembly (Item 4).



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.