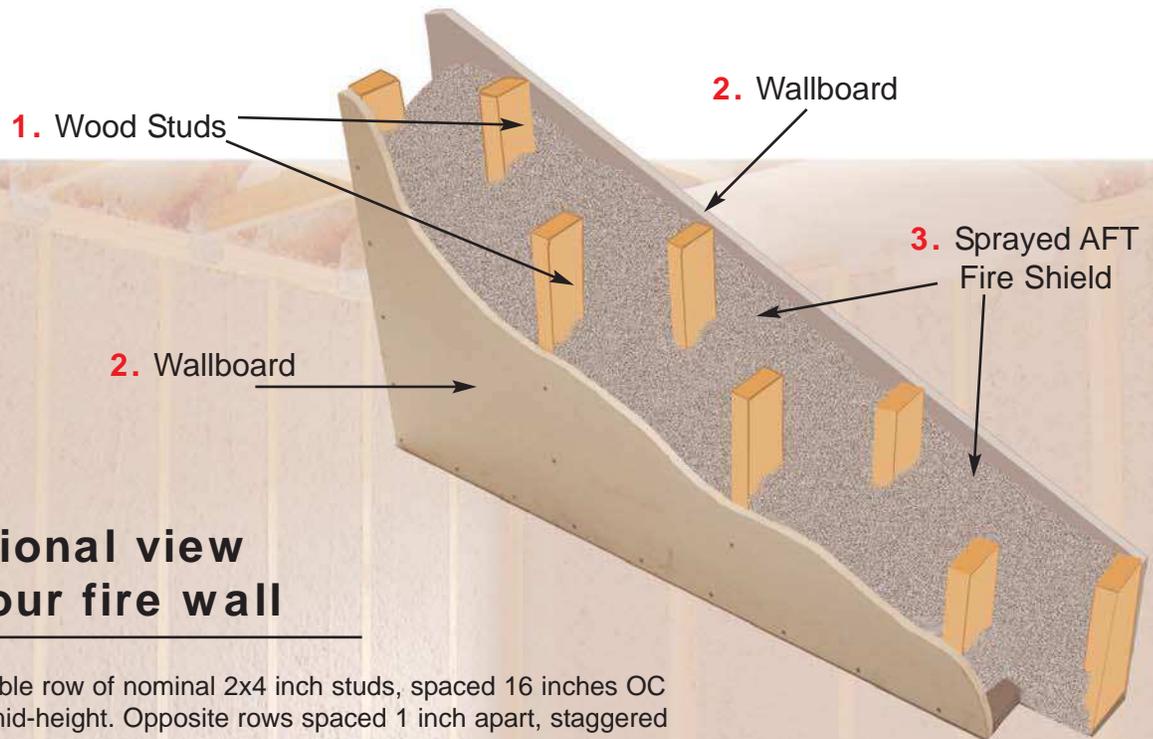


TWO-HOUR FIRE WALL - Constructed with AFT's Fire Shield

The Performance Choice. The Environmental Choice. The Right Choice.

- Less material use creates cost savings.
- Independent walls reduce sound transmission.
- Less material use results in easier construction.
- Made with a minimum of 80% post-consumer newsprint



Cross-sectional view of a two-hour fire wall

1. Wood Studs - double row of nominal 2x4 inch studs, spaced 16 inches OC and cross-braced at mid-height. Opposite rows spaced 1 inch apart, staggered 8 inches OC and joined at the top and bottom with bearing plates.

2. Wallboard, Gypsum - one layer of 4 foot-wide, 5/8 inch thick Type C gypsum wallboard, applied vertically and screwed to studs and bearing plates 7 inches OC with 1-7/8 inch long cup head drywall screws. Wallboard joints centered over studs.

3. Sprayed AFT Fire Shield - spray applied cellulose material. The fiber is applied with water to completely fill the enclosed 8 inch cavity in accordance with the application instructions supplied with the product. The minimum dry density is 4.20 lbs/ft³.

4. Bearing Plates - (not shown) nominal 2x4 inch. Two layers on top and one layer on bottom for each row of studs.

5. Joints and Screwheads - (not shown) wallboard joints taped and both joints and screwheads covered with joint compound.



AFT's load-bearing, two-hour fire wall has been tested under ASTM E119-07a "Standard Test Methods for Fire Tests of Building Construction and Materials" by Intertek Testing Services NA, Inc. Report No. 3132554-1,2 dated November 29, 2007.