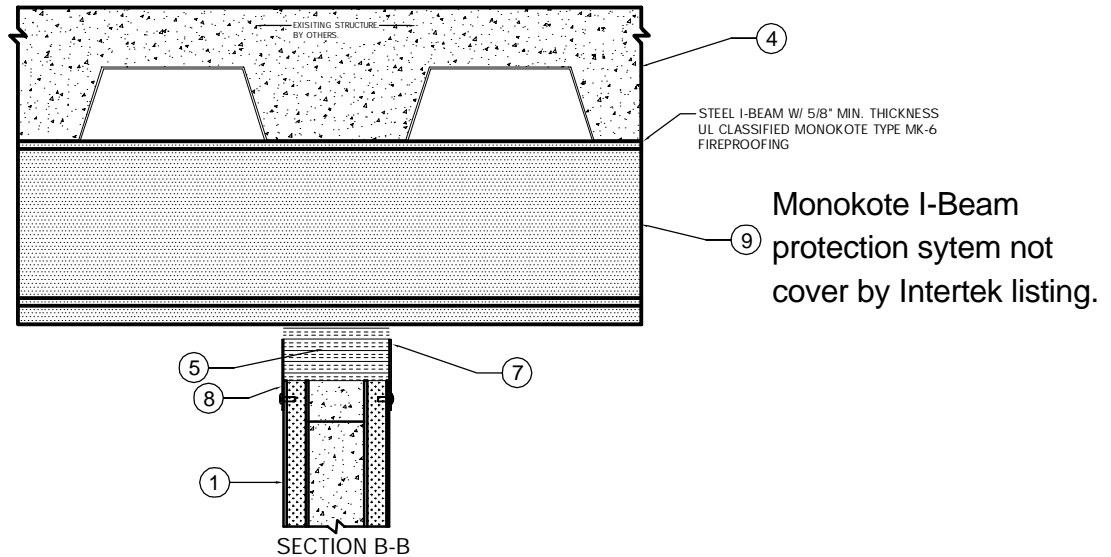


## Trussbilt Manufacturing Top of Wall Joint Detail Detail No. T38

Wall parallel to floor decking w/ intersecting I-beam - non-load bearing wall.  
Investigated by Intertek for compliance with applicable requirements. For use with  
Trussbilt's Fire Rated Wall Panel System TBM/MWP 180-01  
For use with non-bearing wall installations.



Monokote I-Beam  
protection system not  
cover by Intertek listing.

1. Trussbilt fire rated wall panel TBM/MWP 180-01 (3 hour rating)
2. Continuous 2-1/2" x 4" x 12 gauge (min.) A60, 409SS or 304SS w/ 9/16" Ø holes at 6" O.C. (max.).
3. 1/2" x 2-1/2" min. concrete anchor to existing ceiling, both ends of strap.
4. Fire rated ceiling/floor assembly - fluted decking parallel to wall run.
5. Mineral wool saffing, min. 4 PCF density, compressed 50%, flush w/ wall surfaces.
- 6a. 4" x 10 gauge strap cut to length to span the flute and overlap the adjacent valleys by 1-1/2" minimum. Located maximum 24" O.C. and fastened to floor assembly with appropriate Hilti anchors.
- 6b. 4" x 10 gauge galv. strap with (2) 9/16" Ø holes located 1" from each end. Locate strap 18" O.C. maximum along wall run when wall is parallel or perpendicular but doesn't line up with a decking flute.
7. Minimum 1/8" (wet) thickness Hilti CFS-SP WB or equivalent firestop joint spray to completely cover mineral wool, overlapping minimum 1/2" onto wall panel straps & metal deck. Both sides.
8. Sheet metal cover plate, minimum 18 gauge, attached to panel face both sides w/ 8-32 or 10-32 screws, 6" maximum O.C.
9. Steel I-beam w/ 5/8" minimum thickness UL classified Monokote type MK-6 fireproofing.
10. Hilti CP777 Speed Plugs or equivalent, friction fitted to completely fill flute.