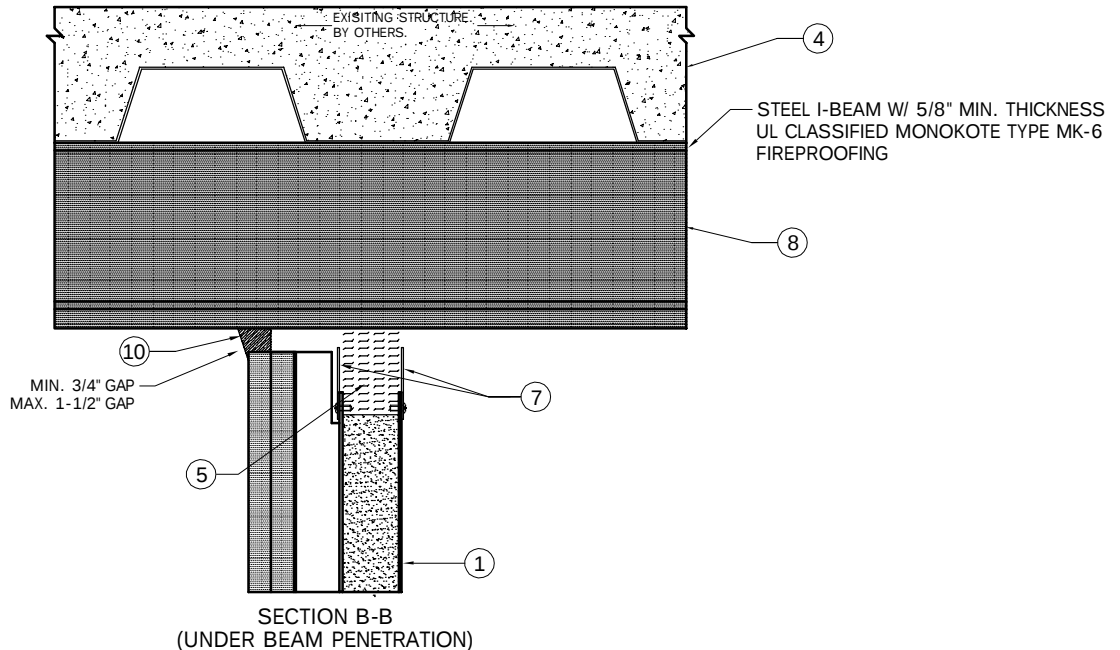


Trussbilt, LLC Top of Wall Joint Detail

Detail No. T48

Wall parallel to floor decking w/ intersecting I-beam - non-bearing wall.
Investigated by Intertek for compliance with applicable requirements. For
use with Trussbilt's Fire Rated Wall Panel System TBL/MWP 120-04. For
use with non-bearing wall installations.



1. Trussbilt fire rated wall panel TBL/MWP 120-04 (2 hour rating)
2. Continuous 2-1/2" x 4" & 3-1/4" x 4" 12 gauge (min.) A60, 409SS or 304SS angles 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 safing, 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. Sheet metal cover plate, minimum 18 gauge, attached to panel face both sides w/ 8-32 or 10-32 screws, 6" maximum O.C.
8. Steel I-beam w/ 5/8" minimum thickness UL classified Monokote type MK-6 fireproofing.
9. Hilti CP777 Speed Plugs or equivalent, friction fitted to completely fill flute.
10. Fill gap with Hilti Firestop sealant CP606 or Hilti Firestop sealant FS-One.