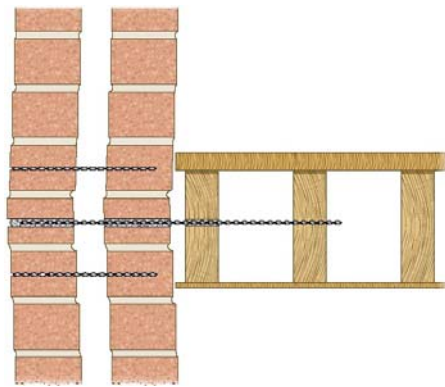
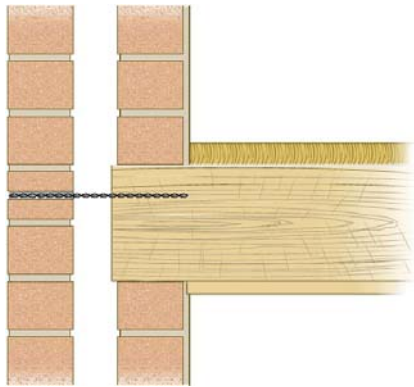
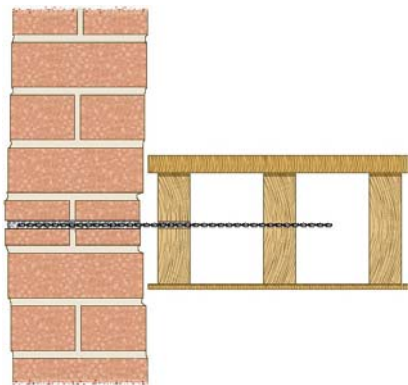
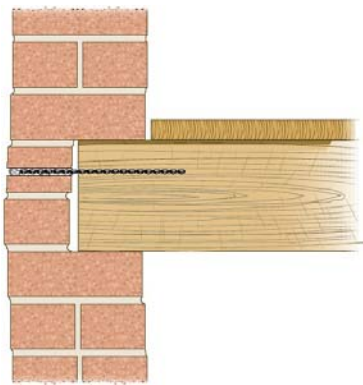


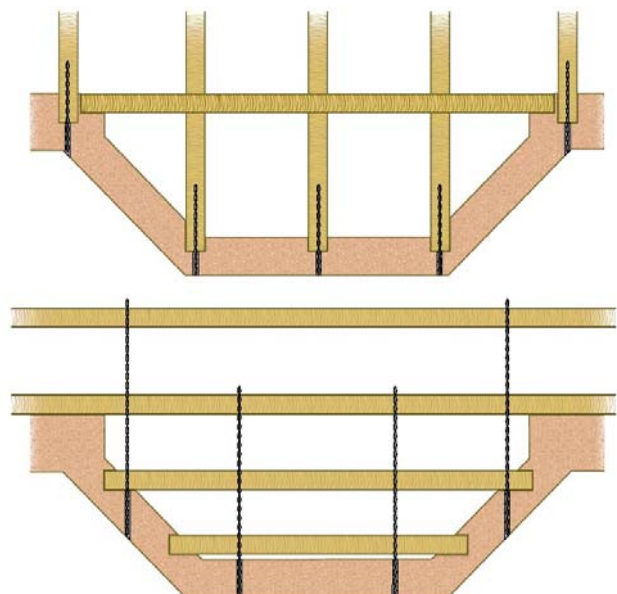
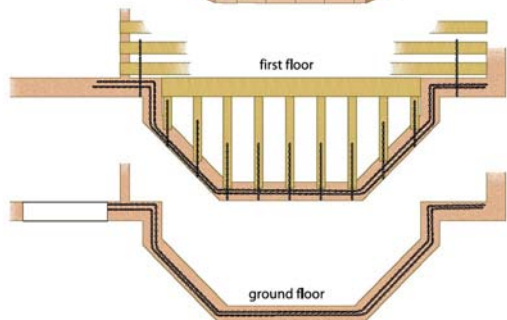
## Thor 9mm Diaphragm Ties for Lateral Restraint to Timber Roof and Floor Framing.



Cavity Walls.



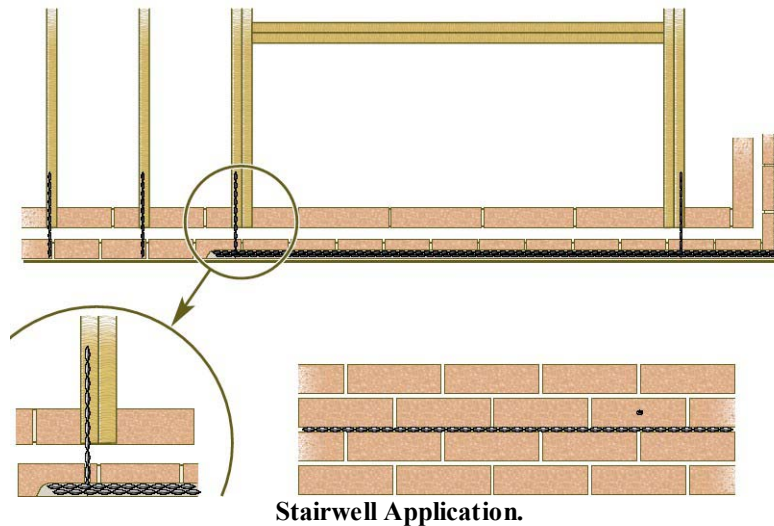
Solid Walls.



Bay Windows.

(Graphics for Illustrative Purposes Only).





### **Thor 9mm Diaphragm Tie Installation.**

**Diaphragm Tie Spacing – Must be determined by a Consulting Structural Engineer - (Nominal 600mm horizontal spacing).**

1. Drill pilot holes through masonry to penetrate two parallel floor or ceiling joists, or a minimum of 75mm into timber end grain using, initially, a masonry drill size 6 – 7.5mm, followed by a similar sized wood bit if available.  
N.B. To assist in accurate tracking across cavities allow the drill to **STOP** rotating prior to contacting and drilling each leaf.  
**CAUTION – THE TIE MUST VISIBLY ROTATE AT A CONSISTENT RATE WHILST PENETRATING.** The pilot hole diameter is critical, too small and the tie may bend rather than penetrate, too large and the tie will ream out the drilled hole in the masonry as it penetrates and will not be seen to rotate
2. **(Test Only)** Drill clearance hole to masonry for installation of Test Key if required.
3. Drive in 9mm Thor Helical Drivefix tie using telescopic SDS support tool & recess below brick face.
4. Make good with clear silicon and brick dust from drilling.

**CAUTION - ENSURE FLOOR/CEILING VOIDS ARE FREE OF SERVICES.**

Where Thor bed-joint reinforcements are also being installed they must be in the mortar joint directly above or below the Thor Diaphragm Ties.

**THORHELICAL® AUSTRALIA.**

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