

# Method Statement

## For

# Hilti DX/GX Mock-Up Testing

1. Fasten the testing bracket with DX/GX nail using Hilti DX/GX system in accordance to Hilti's Direct Fastening Technology Manual (DFTM) <sup>(A)</sup>
2. Set up a loading frame with a pulling fixture over the testing bracket <sup>(B)</sup>
3. Check to ensure that the pressure is fully released by turning the hand wheel anti-clockwise on the Hilti Mark 4 Tester
4. Untighten the hexagon nut for the Hilti Mark 4 Tester to be mounted on for testing
5. Slide the Hilti Mark 4 Tester in position over the anchoring system, the hook-slot should pass under the circular nut up to the stop-plate <sup>(C)</sup>
6. Set the red indicator needle to zero <sup>(D)</sup>
7. Hold the Hilti Mark 4 Tester firmly and turn the hand wheel clockwise, continue turning until the desired tensile load (kN) is achieved <sup>(E)</sup>
8. Once the reading has stabilized at the desired tensile load (kN), observe that the reading hold for 1 minute before releasing the Hilti Mark 4 Tester <sup>(F)</sup>
9. Recommended 5 fastening mock-up
10. Mock-up will be done for Work Load, Test Load and Ultimate Load\*\*

\*\* Ultimate load will be until failure or 3 times of test load whichever comes first

