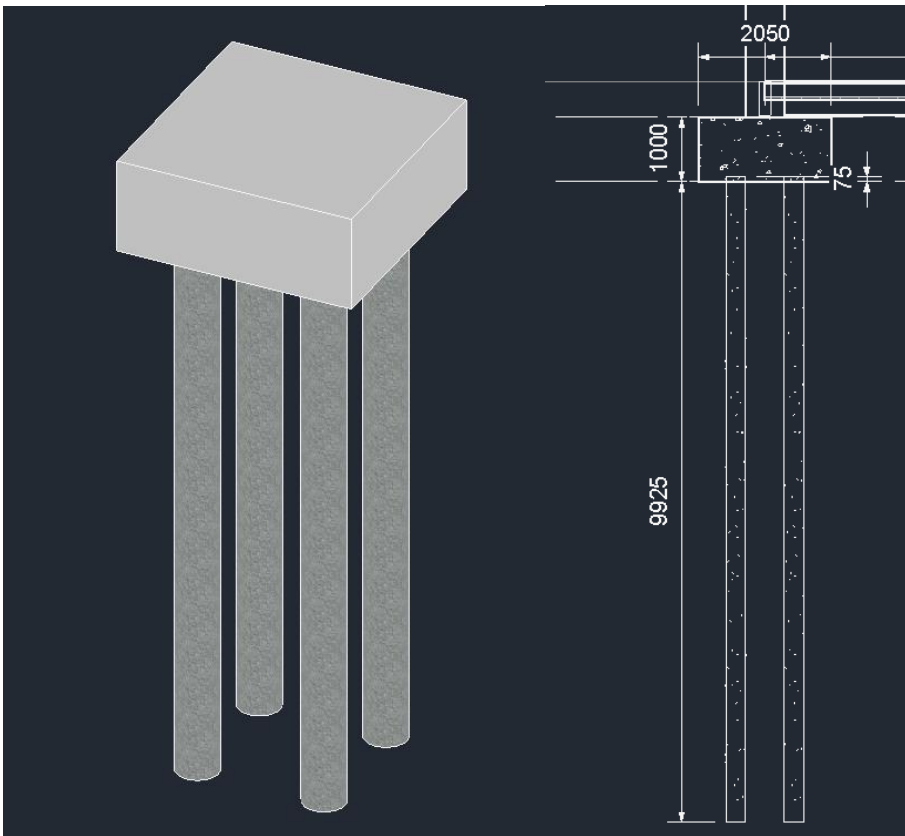


TECHNICAL AND NON-TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATION FOUNDATION & STRUCTURAL FRAMING

FOUNDATIONS

The foundations will consist of reinforced C40 concrete 2050 x 2050 x 1000mm deep cap on top of a group of 4 piles of 300mm in diameter at 10 000mm deep with horizontal centres of 900mm each consisting of a pile cut out of 75mm withstanding 962.7kN load per pile.



STRUCTURAL FRAMING

The framing will consist of GL24h Glulam Column 597 x 597 x 3900mm high fixed to the centre of each pile cap using a steel bearing plate bolted connection (fig 1) at the base of each column, and cross laminated timber boards CLT will be fixed to the top of each column above GL24h Glulam 180 x 520mm deep beams fixed with mechanical steel hanger with bearing seat connections (fig 2).

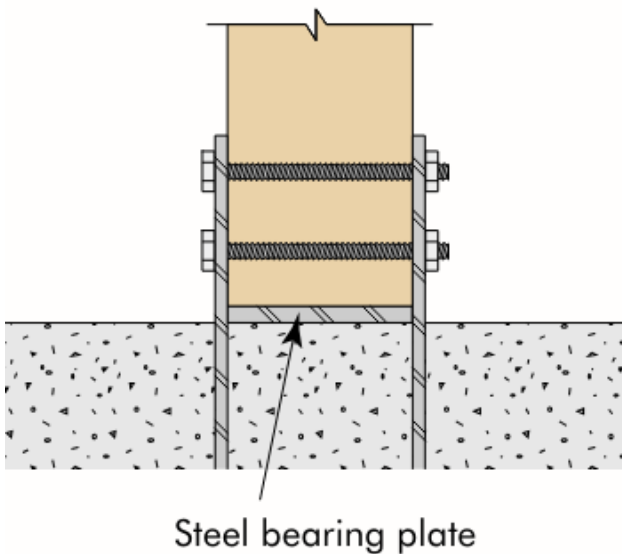


Figure 1 Steel bearing plate connection

BEAM-TO-BEAM CONNECTION

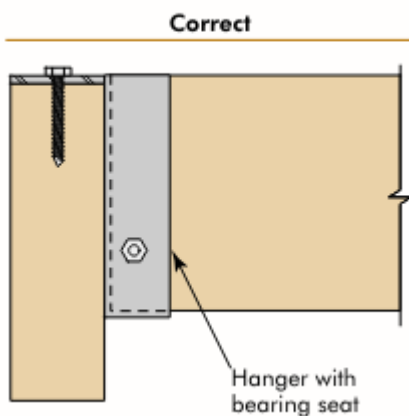


Figure 2 Hanger with bearing seat connection

NON-TECHNICAL SPECIFICATIONS

The walls and floors will consist of 200mm thick cross laminated timber CLT to form the envelope of the structure as shown below.

