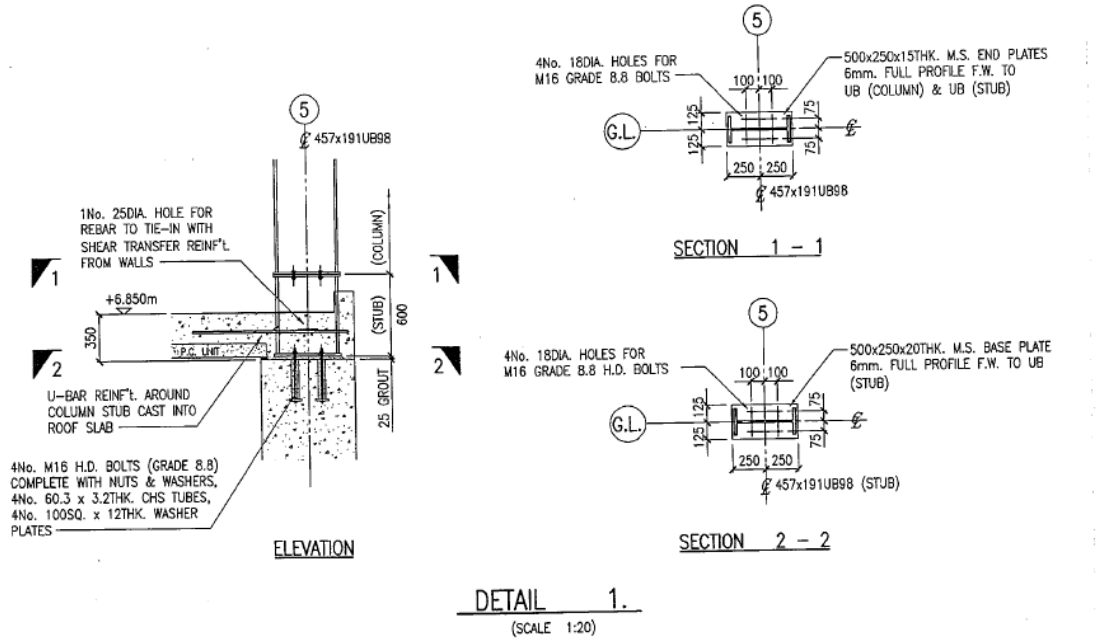
Stub Column Pinned Connection



This detail was devised for the connection of a column base to a concrete cell structure. A pinned connection was required, but a large horizontal thrust had to be resisted with a small axial compression load in the column. By casting a stub column into the cell roof, to resist the horizontal load, and forming a nominally pinned connection with the main column this problem was solved.

Benefits

- Column cast into concrete provides a high resistance to horizontal thrust.
- Nominally pinned connection between stub and main column limits bending moment to be resisted at the base of the stub column and to be transferred into the concrete.

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