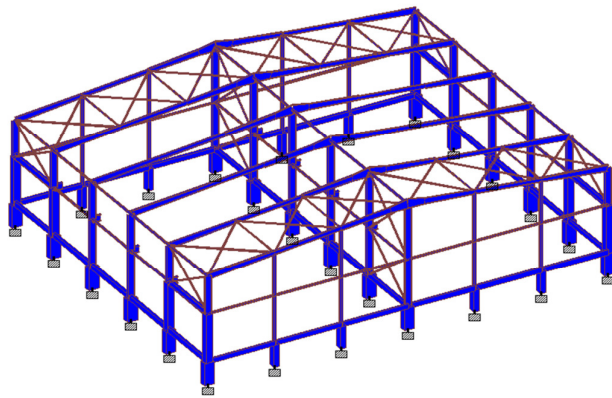


Extension of HCC Production Shop for Defence



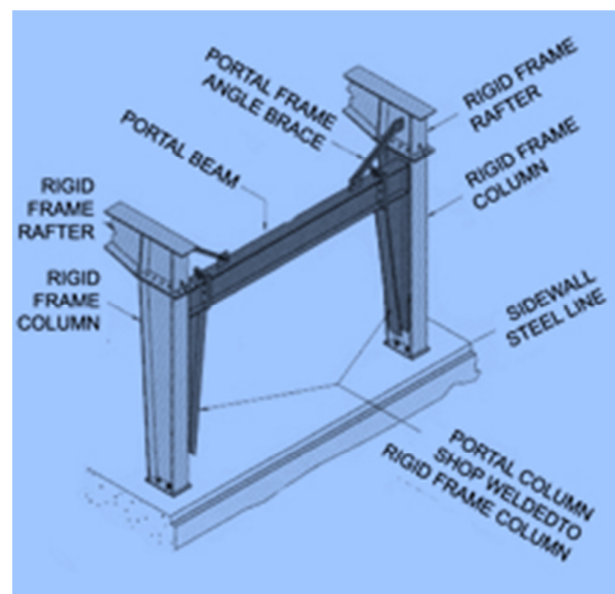
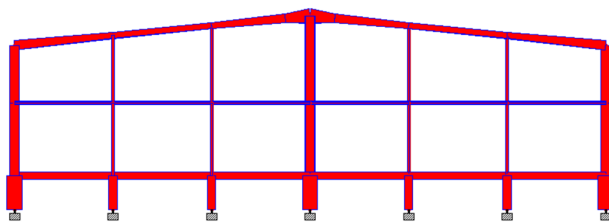
Scope of work includes Structural design of PEB Structure of 30mx30m and an Office Annex of 10.3mx7.0m. Steel Structure supports 2x5MT EOT Crane.

Structure is typically a series of Steel Portal frames spaced approximately at 6.0m c/c rests over R.C. Pedestals. Longitudinal stability is provided through Bracing and a Rigid Portal Frame below Crane Level.

Sub-Soil is a medium black cotton soil hence foundation system of Pilecaps supported over under-reamed piles has been prescribed.

Designed for Wind of 47m/sec apart from Crane Loading. Katni lies in Seismic Zone-III; hence all ductile provisions are incorporated.

Steel Rafters are made up of Tapered Rafters made from skewcut from Rolled Steel Beams for better workmanship.



Date: 2013

Client: Chief Engineer (Factories), M.E.S, Hyderabad

Height: 10m

Plan Dims: 30mx30m PEB and Office Annex

Material of Construction: RCC & Structural Steel

Firm's Responsibilities: Structural Design