

FACILITY INTEGRATION



Typical inside view PEB



Framed openings for windows

PEB's can allow framed openings for Glass windows, Louvres, duct/pipe openings, Roof vents, Chimneys etc. to meet industrial requirements.



Portal Bracing

Bracings for lateral stability
Options: Cross bracings, Portal bracings, Cable bracings.



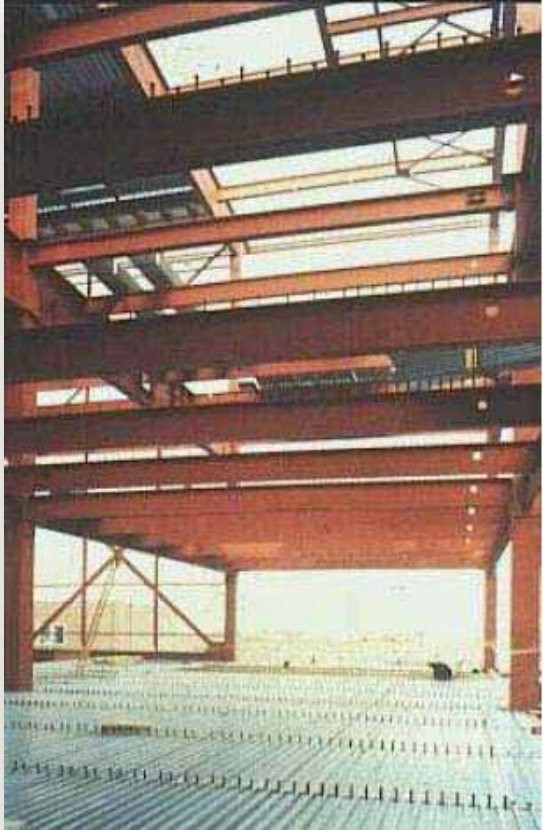
Cross Bracings and Partitions / Roof Liner



Suspensions



PEB structure can serve as support system for Crane brackets, Piping, cables, conveyors, ducting etc.



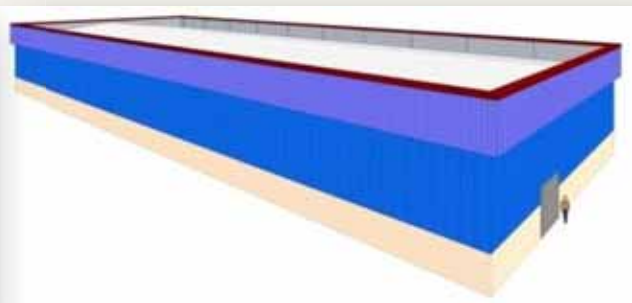
Multi Level Mezzanine

Mezzanines serve to provide additional working space at different levels. PEB columns can partially support mezzanines. Flooring can be by chequer plates or gratings. More common option is to provide floor decking and shear studs for composite decking over which RCC floor can be cast by others.

Facia Options



Can change the external look of PEB. Different design options are available.





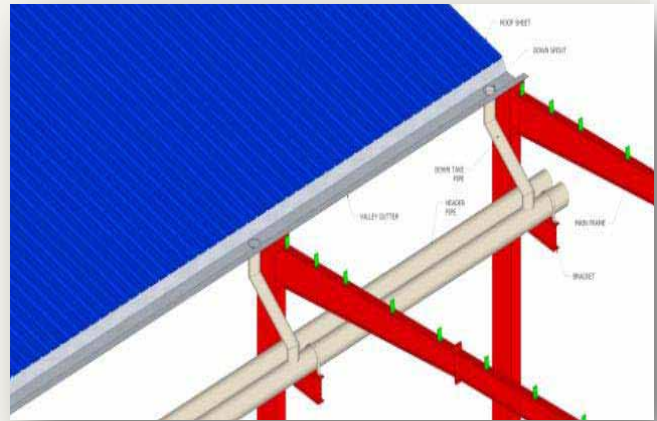
Crane Beams

Crane beams support the crane rails over which EOT cranes run. Crane beams can rest on column brackets, step type column or on independent crane leg as per capacity



Jack Beams

Serve to get mid columns eliminated to get larger clear openings. Jack beams can also be combined as portals to function as bracings.



Header pipes function to collect the rain water from valley or eaves gutter and discharge at a different desirable location

Header Pipes



Canopy and Rolling Shutter

Canopies can be with soffit or without soffit as per desired options



Wall lights

Simple wall lights & roof lights can be part of the building designs. Roof/wall lights can be out of FRP or polycarbonate.

Ridge ventilators allow free exit of air to keep inside ambient in control. Other options are Roof monitors and Turbo vents for adequate air changes.

Insulation underneath the roof and inside wall also enhance working comfort. Options are Fibre glass wool (more common), Polynum or rock wool. Sandwich puff panel out of PU foam is also available. PIR is used rarely for Fire retardant properties, though expensive.



Ridge Ventilators, Ridge Monitors and Roof Lights



Decking and Shear Studs



Shear studs can be auto welded over mezzanine beams for composite designs. GI Deckings are supplied to act as permanent shuttering. Decking system help to speed up the construction completion for early equipment erection.



Down Take Pipes

Down Take Pipes from Gutter can be out of PVC or square formed from Sheeting material.



Loading Platform

Loading platforms help direct access for loading goods or unloading the road vehicles

Architectural rendering interface



Aluminium Bonded Panels and Curtain walling can be dovetailed to PEB designs



PIR insulated flat sandwich panels of interlock nature was used for Motorola facility near Chennai- Panels had PVDF coating instead of common Polyester coating .