MAIMAAR
Steel Pvt. Ltd.

A Subcidiary of Maimaar Group of Companies

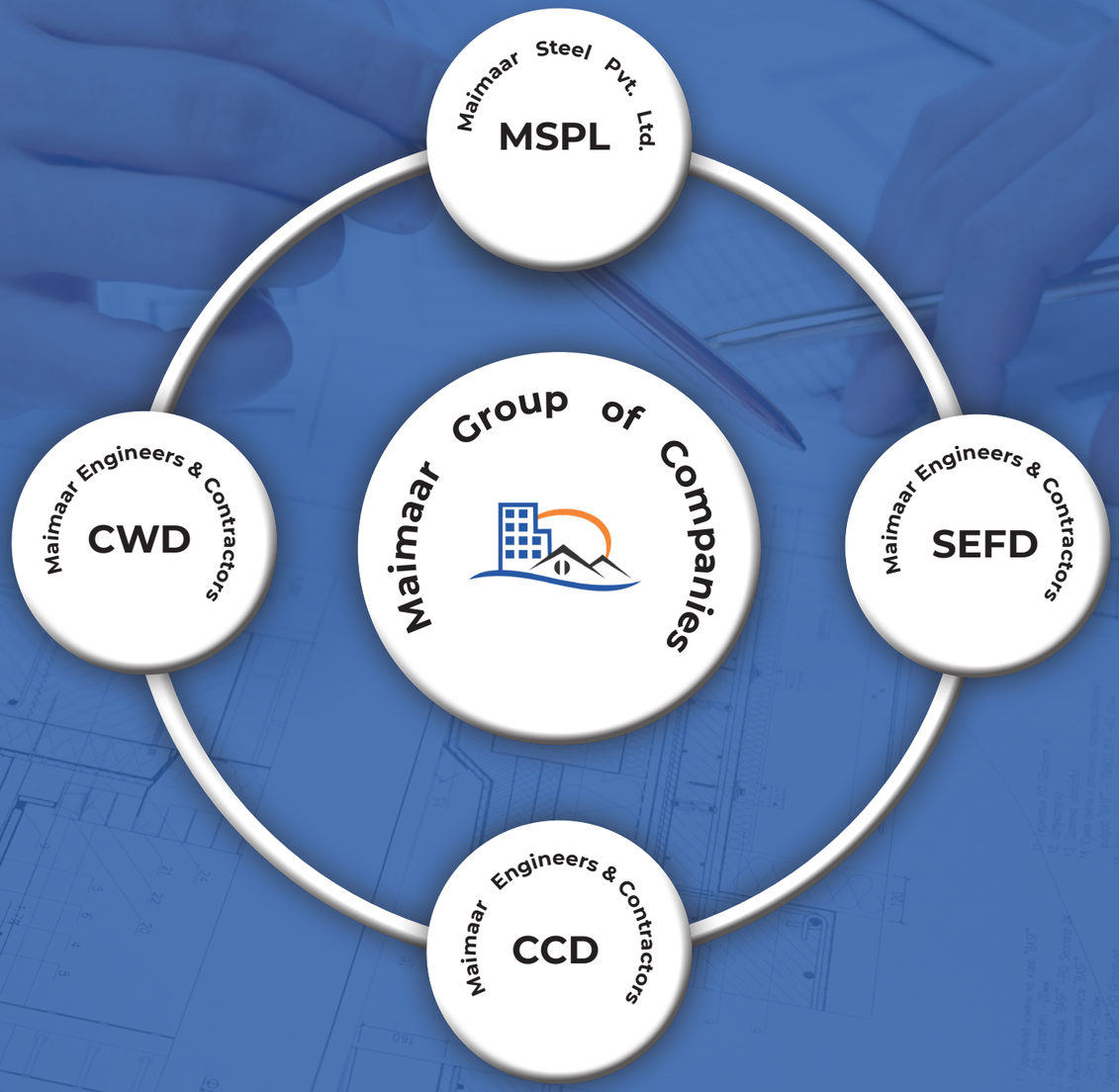
COMPANY

BROCHURE

Design, Detailing, Fabrication, Errection of Pre-Engineered & Structural Steel Buildings.

238 LALAZAAR COMMERCIAL BLOCK, THOKAR NIAZ BAIG, LAHORE | WWW.MAIMAARGROUP.COM

Corporate Introduction



- MSPL: Maimaar Steel Pvt. Ltd.
- SEFD: Steel Errection & Fabrication
- CCD: Construction Chemicals Division
- CWD: Civil Works Division

About Us

To complete the cycle of turn-key projects, Maimar Group Pvt. Ltd. is the company specialized in Design, Manufacturing, Detailing Supply & Installation of Pre-Engineered buildings and Construction Chemicals since 2014. We have expertise mainly in Pre-fabricated houses,PEB buildings, supply and application of construction chemicals and Container houses and Industrial Racks.
Maimaar Group follows the latest US Standards across the projects and use up-to-date tools to design and carry out plans

International Exposure

Maimaar Group Management has more than 16 years of internatiional experience in dealing with Pre- Engineered buildings and construction chemicals and steel structure mainntenance projects in UAE, Qatar, Central Asia, Sri Lanka and Bangladesh.

Commited Towards Excellence

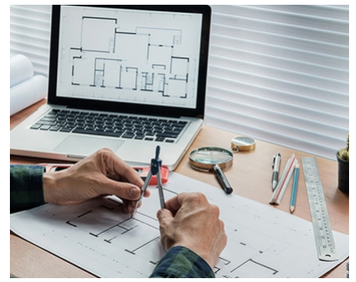
Here at Maimaar Group, Quality work and perfection is our priority.

- Rapid Query responses
- Market Competetive Prices
- Detailed Proposals and Drawing ranging from 2D to 3D to help you better visualize your final building.
- Full Engineering support to keep project execution feasible and economical.
- Installation of complete structure providig on-site services.

AUTODESK 3DS MAX AUTODESK AUTOCAD SketchUp Tekla® Structural Designer

Design

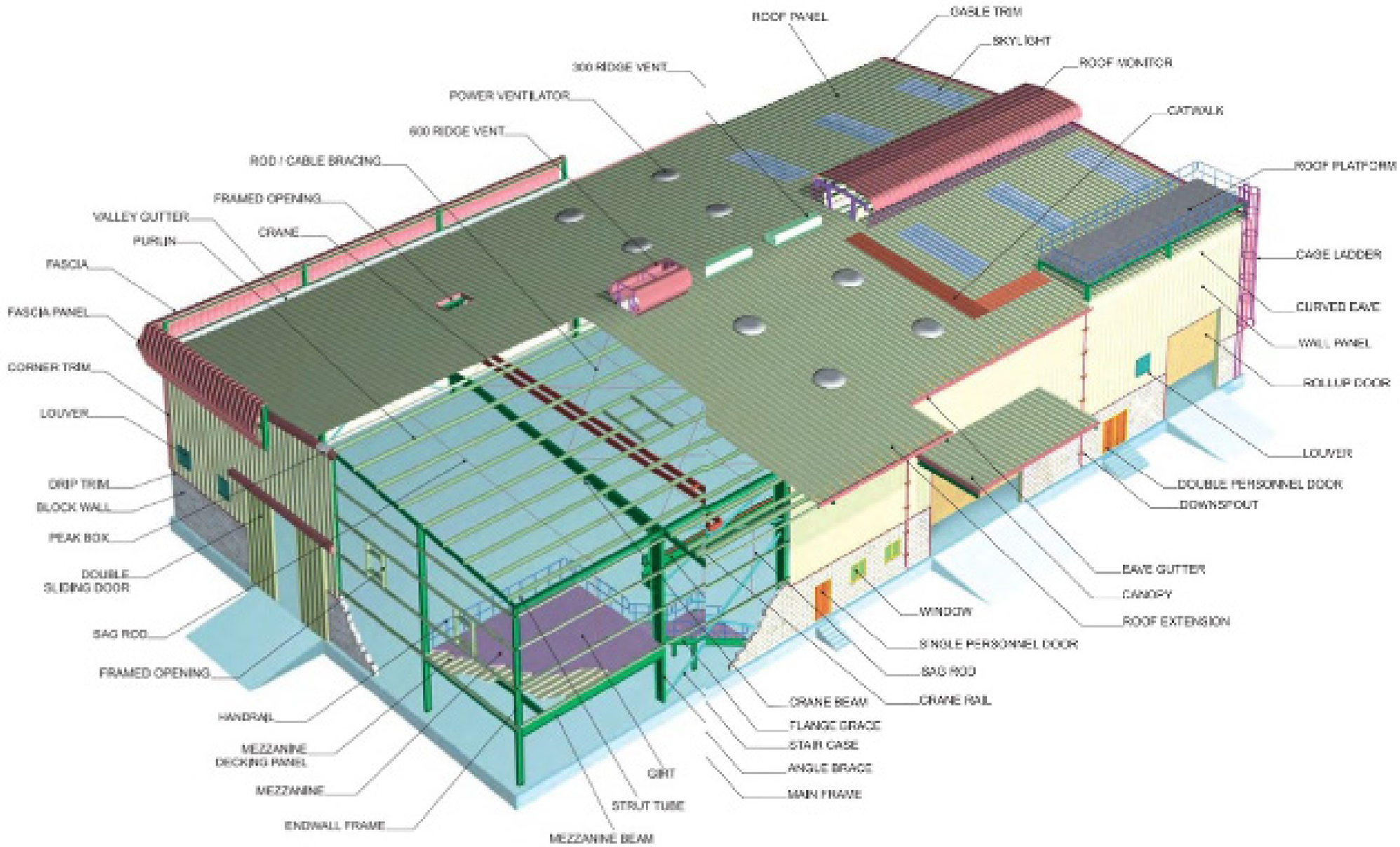
MPSL designs and manufactures in accordance with the codes and guidelines of the AISC,AISI, AWS and MBMA manual. For the speci□c edition of each institute codes used for a specific MPSL building, please refer to the section marked “Applicable Codes” in the MPSL proposal offer. Frame members (Hot rolled or built up) are designed in accordance with American Institute of steel construction (AISC): Steel Construction Manual. All welding is done in accordance with the American Welding society (AWS): Structural welding code for steel. All MPSL welders are qualified and certified for the types of weld performed. Manufacturing dimensional tolerances are in accordance with the requirements of Metal Building Manufacturers Association (MBMA) of USA: Low rise building manual system.
MPSL also accommodates other codes when specified.



3D Design

Projects are designed in 3d, which result in more accurate designs and reduce enGIneering errors, and are also a valuable tool with complex projects allowing the customer to easily visualize the complete building.

Illustartion of PEB



Advantages of a PEB

- Steel building's Faster Occupancy.
- Steel buildings are very cost efficient as compared to the conventional buildings.
- These buildings also have a very low initial building costs.
- Low maintenance requirements
- Single source resposibilty
- Steel buildings are easy to relocate and delivered quickly.
- These are very Architecturaly Versatile.
- Buildings are well adaptive and su-per-easy for doing long term FullLarge future expansin
- Quick turnkey construction

Possible Applications

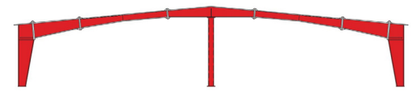
1. Sheds
2. Warehouses
3. Factories
4. Sports Halls
5. Poultry Buildings
6. Support Facilities
7. Service Stations
8. Offices
9. Distribution Centres
10. Aircraft Hangars

Primary Framing Systems

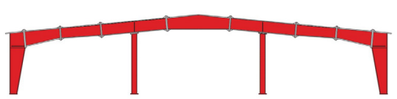
Clear Span

Roof System

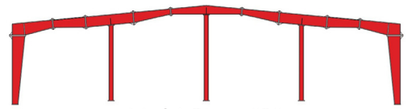
Multigable



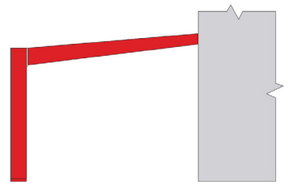
Multi Span Interior Column



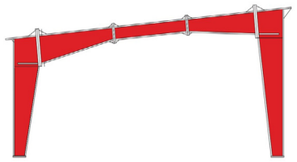
Multi Span "2"



Multi Span "3"



Lean to LT



Mono Slope

Primary Framing Systems

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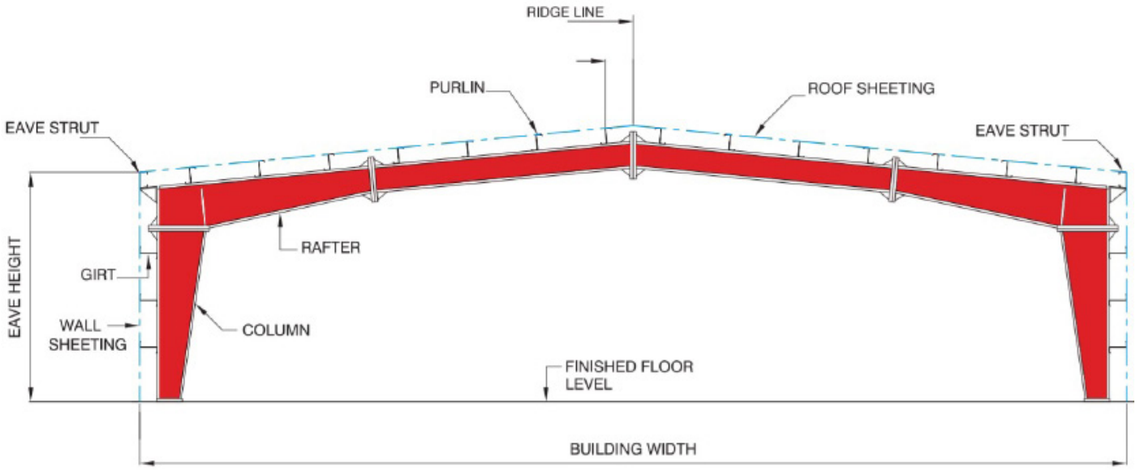
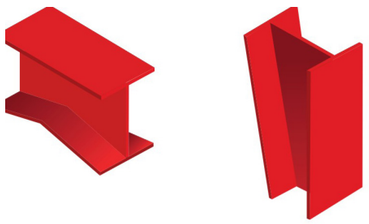
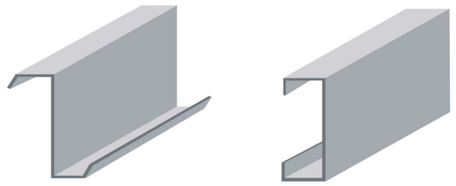
MPSL also accommodates other codes when specified.



Frame Cross Section



Typical Rafter and Column



Typical C and Z section

Structural Sub Systems

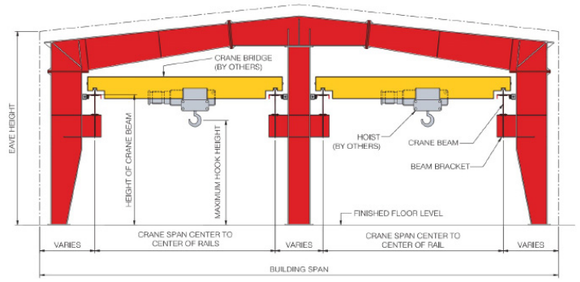
Crane Systems

Two out of every five metal building systems are constructed for manufacturing facilities where cranes are needed for material handling.

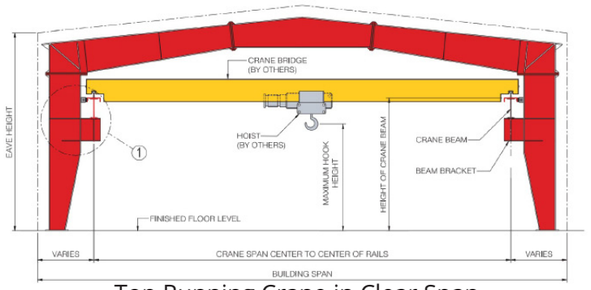
MSPL buildings can be designed to support any required crane system. Overhead traveling cranes, up to 15 metric tons are supported on brackets, while higher capacities are typically supported by an independent support system.

A building crane is a complex structural system which consists of the crane with the trolley and hoist, crane rails with their fastenings, crane runway beams, structural supports, stops and bumpers.

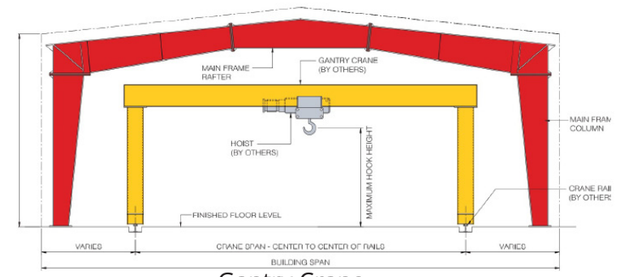
We require the customers complete crane system information in order to design and estimate buildings with cranes. The estimate for adding a crane system to a metal building consists of: Strengthening the buildings main frames to support the crane load Supplying the crane brackets and crane runway beams that support the crane system.



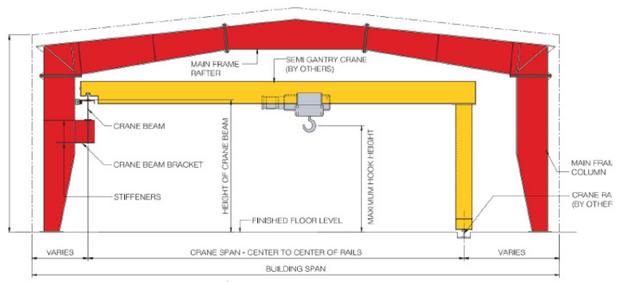
Top Running Crane in Multispan



Top Running Crane in Clear Span



Gantry Crane



Semi Gantry Crane

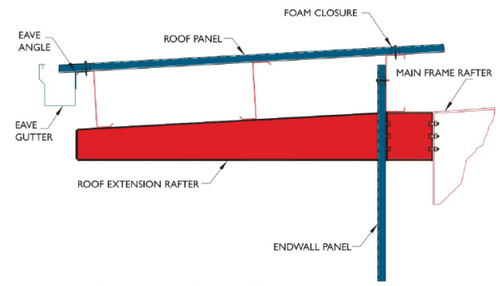
Structural Sub Systems

Roof Extensions

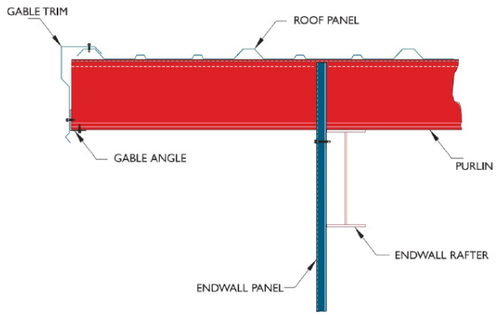
Sidewall roof extensions extend beyond the defined building width and are generally a continuation of the main building roof slope. End wall roof extensions extend beyond the defined building length and are constructed by extending the end bay purlins and eave struts of the main building past the end wall rafter. Standard widths for roof extensions range from 0.9 meters to 1.5 meters. Wider roof extensions are possible but may require heavier or additional framing. Soffit panels for roof extensions are optional.

Canopies

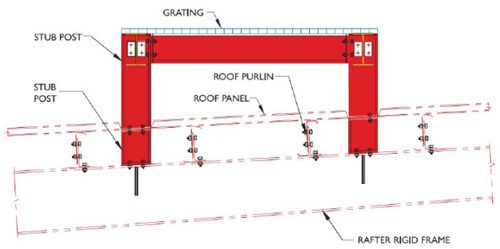
Sidewall canopies are cantilevered rafters attached to the sidewall columns at any point below. the eave and support 200mm deep by-pass “Z” purlins supporting the canopy roof panels. End wall canopies are cantilevered rafters attached to the end wall posts below the roof line and support 200mm deep by-pass “Z” purlins supporting the canopy roof panels. Optional canopy soffits conceal only the canopy purlins, leaving the rafters exposed, unless otherwise specified. The roof panels of the canopies match the specifications of the main building roof panels, unless otherwise specified. Typical canopy widths range from 15 meters to 30. meters.



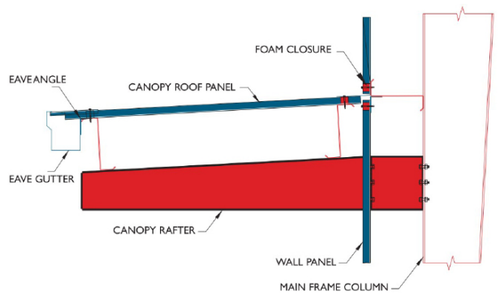
Sidewall Roof Extension



End Wall Extension



Roof Platform

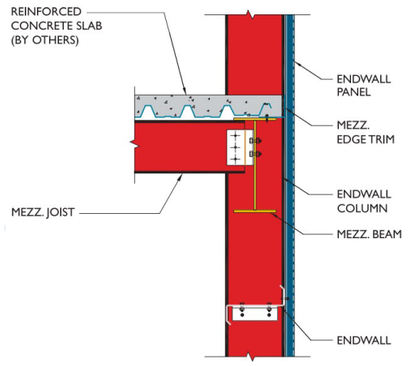


Canopy

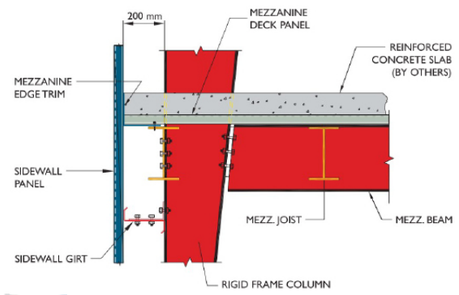
Structural Sub Systems

Mezzanines

A mezzanine system normally includes mezzanine columns, beams, joists, and deck and trimmer angles. The mezzanine columns are normally placed along the frame line. They support the mezzanine beams, which in turn support the mezzanine joists. The mezzanine joists are normally placed parallel to the roof purlins. Joist spacing varies depending on the joist length and applied loads. The mezzanine columns, beams and joists are designed to withstand the mezzanine live load, the weight of 100mm thick reinforced concrete slabs and the weight of the deck. Additional dead loads and collateral loads, if present, must be communicated to Maimaar in order to be considered in the mezzanine design. The mezzanine deck is roll formed from 0.7mm thick, galvanized steel coil, conforming to ASTM A653M Grade 340 or equivalent, with zinc coating to Z180. with a minimum yield strength of 340 N/mm² (50ksi).

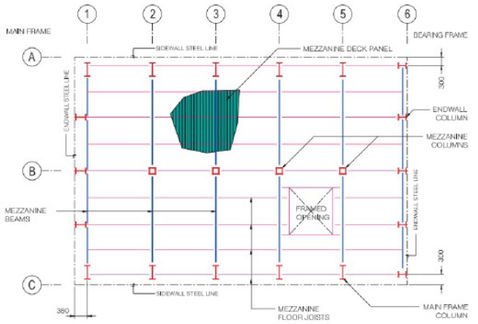


Joist to Beam Connection



Mez Beam to Rigid Frame

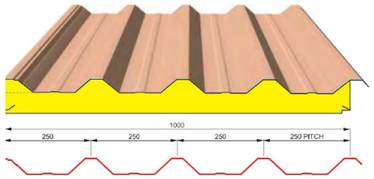
Mezzanine



Mezzanine Plan

Material Specifications

Panels



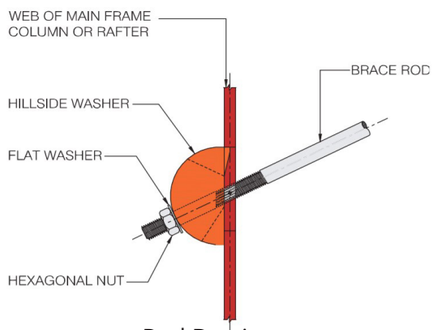
P.U Sandwitch Panel

EPS Sandwich Panel

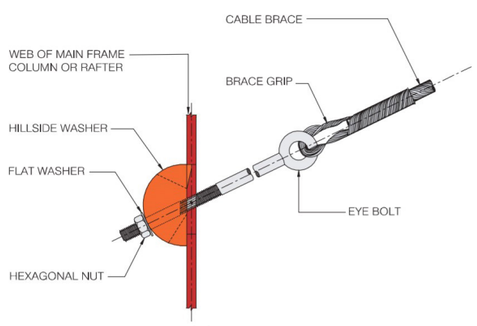
Single Skin Sheets

Lock Seam Panel

Bracings



Rod Bracing



Cable Bracing

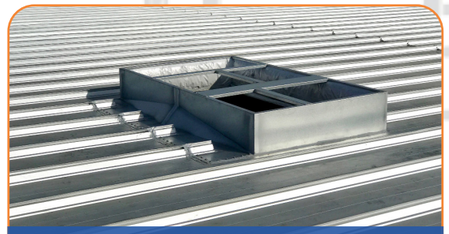
Building Accessories

Insulation

Personal Door

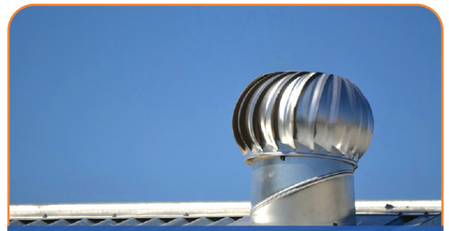
Double Door

Roll-Up Door



Roof Curb

Skylight



Turbine Ventilator

Window

Our Main Projects

Spinning Unit

Nishat Mills Ltd.

Area: 270,000 Sq.ft

Faisalabad

Factory Building

Lotte Kolson (Kirin)

Area: 350,000 Sq.ft

Lahore

Sheeting

Orange Line Train

Area: 85,000 Sq.ft

Lahore

Poultry Control Shed

Shabbir Poultry

Area: 42,000 Sq.ft

Shujaabad

Warehouse

Hadayat Detergents

Area: 40,000 Sq.ft

Lahore

Super Market

Imtiaz Super Store

Area: 125,000 Sq.ft

Islamabad

Warehouse

Colgate

Area: 40,000 Sq.ft

Lahore

Boiler House

Gul Ahmad

Area: 5000 Sq.ft

Karachi

Stitching & Bladder Unit

Awan Sports

Area: 32,155 Sq.ft

Sialkot

Lamination Hall

Awan Sports

Area: 22,000 Sq.ft

Sialkot

Warehouse & Production

Luminous Packing

Area: 85,000 Sq.ft

Lahore

Bus Terminal

Faisal Movers

Area: 10,000 Sq.ft

Faisalabad

3rd Floor Stitching Unit

Colaro Sports

Area: 30,855

Sialkot

Production Hall

Master Paints

Area: 12,000 Sq.ft

Faisalabad

Banquet Hall

D.H.A

Area: 21,000 Sq.ft

Bahawalpur

Store (6th Floor)

Chawla Group

Area: 1700 Sq.ft

Lahore

Mezzanine Floor

Royal Plaza

Area: 5000 Sq.ft

Lahore

Office & Guard Rooms

House No.24, Gulberg

5th Floor

Lahore

Coolers Platform

Colaro Sports

Sialkot

Production Building

Myrtil House

Area: 22,000 Sq.ft

Sialkot

AC's Platforms

Royal Plaza

Aslam Super Market

Lahore

Boiler House

Awan Sports

Sialkot

Emergency Staircase

Colgate

5 Floor High

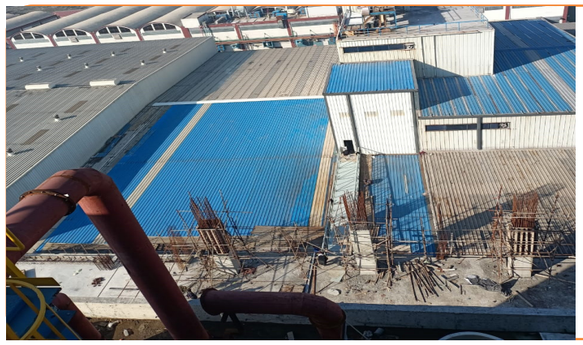
Lahore

Dairy Shed

Nishat

Area: 105,000 Sq.ft

Sukkeki



Multi Storey FS Building

Colgate

Lahore

Mezzanine Floor

Nishat

Faisalabad

Header Pipe

Pepesi

Lahore

Room Extension

Pepsi

Lay's Plant

Lahore

Multi Storey Service Structure

Colgate-Palmolive

Lahore

Our Clients

NISHAT

COLGATE-PALMOLIVE

PEPSICO

AWAN SONS

FriesLandCampina

USDENIM

FAW

Tetra Pak

Nestlé

FAISAL MOVERS GROUP

Shujabad Group

COLARO SPORTS

KIRIN Korea

Luminous

CHAWLA GROUP

DAEWOO

DESCON

DHA Defence Housing Authority

UNIVERSITY OF MANAGEMENT AND TECHNOLOGY UMT

OMYA

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THE END