

Scope of Work

The proposed project is to supply and install a mezzanine floor to the warehouse at 210, Galle road, colombo-03, Sri Lanka.

The contractor shall provide all necessary plants, material, paints and labor for constructing a mezzanine floor as per the given shop drawing.

The contractor shall remove and re-install a fresh air supply motorized damper with a new weather proof cover (Aluminum powder coated) complete with a SS insect screen wire mesh, to the new location by providing necessary material and tools. The Old window hole must be closed with new glass C/W aluminum frames.

The contractor shall supply labor and remove the existing wire mesh before starting for the new construction.

The proposed warehouse mezzanine floor shall be constructed by using main galvanized steel support columns.

The steel floor must be designed to withstand load for 7.2kN/M² (150lbs per square foot).

The columns shall have base plates welded at one end and the base plates to be bolted to the floor by using high strength steel.

Main steel beams shall be placed across the upright columns to construct the main framework of the floor, and then secondary steel joists to be placed between the main joists to complete the framework.

The appropriate decking shall have to be determined and fixed to the main and secondary joists to complete the floor.

Access to the floor shall be usually by a staircase located and fixed at the desired place on the framework and the floor shall be then finished with a safety handrail (4feet height with sufficient number of cross bars) which will be generally fixed securely all the way around the edge of the mezzanine floor.

Base plates shall be manufactured from hot rolled steel plates, and plate size is determined by mezzanine column load and existing ground floor slab construction.

The columns are rolled hollow section or structural universal 'I' columns (galvanized) and a typical column will be 125mm square.

Main beams also known as 'I' beams (galvanized), can vary in dimension but their depth will be determined by design, and can be as small as 152mm.

Secondary joists are inward lipped pre-galvanized C section joists created into the depth of the main beam.

The handrail (42inches or higher) shall be supplied and installed around the floor wherever it is needed, and may be stainless steel with industrial mesh.

The steel floor must be non slippery, thick galvanized steel floor (supplier to be determined thickness base on the above load).

The contractor shall use high strength nuts & bolts for all the installation work and steel structure must be galvanized and painted with 90% zinc phosphate primer (black color-ICI) and two coat of metal paint blue (ICI brand prefer).

All debris collected as a result of construction work shall be removed from the Embassy's compound prior to completion of the job.