



UHM Ltd.

Plot No: 240, 241, 242, 243 & 255, Adamjee Export Processing Zone, Siddhirgang,
Narayanganj, Bangladesh
(23.678313N, 90.522866E)

07 August, 2016

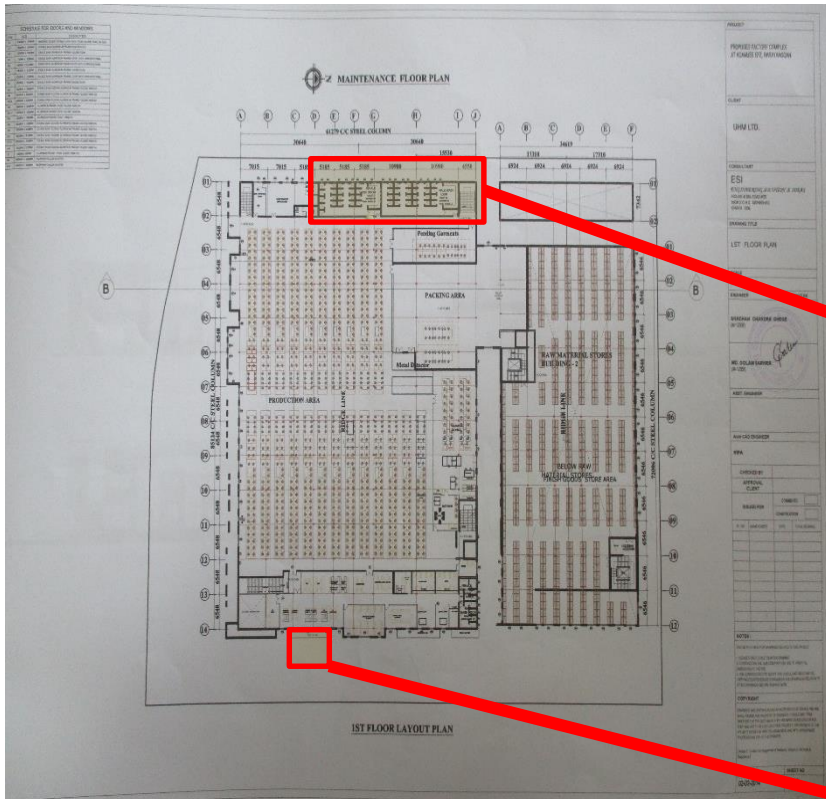




Observations



Undocumented mezzanine floor at Production building (Building 1).



Mezzanine floor have observed at 1st floor & additional porch at East side of building 1. without having any documents.



Undocumented mezzanine floor at Production building (Building 1).



Adequacy check of mezzanine floor at Production building (Building 1).



Mezzanine floor constructed by steel deck having connection with steel column and rest on toilet block brick walls. No stair have observed to evacuate.



Apparently poor connection between steel deck and brick walls, steel column

**Adequacy check of mezzanine floor at
Production building (Building 1).**



Deck slab adequacy check for 140 psf live load in storage building.



An Additional storage made upon storage racks. Total floor load capacity of 140 psf shown on loading plan. Building engineers to check and review design, loads , slab & rack adequacy and column stress.

Deck slab adequacy check for 140 psf live load in storage building.



Priority Actions



Problems Observed

Production building (Building 1)

- **ITEM 1:** Undocumented mezzanine floor at building 1
- **ITEM 2:** Adequacy check of mezzanine floor at building 1.

Storage Building

- **ITEM 3:** Deck slab adequacy check for 140 psf live load in storage building.



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Building 1 Undocumented mezzanine floor at building 1(Production Building)	Factory engineer to check, collect information and produce accurate and complete as-built documentation	6-weeks
2	Building 1 Adequacy check of mezzanine floor at building 1	Factory engineer to review design, loads and columns stresses and deck slab adequacy	6-weeks
3	Building 1 Adequacy check of mezzanine floor at building 1	Building engineer to check the steel connections ,adequacy check of deck supporting brick walls, propose an additional welding reinforcement if necessary.	6-weeks
4	Building 1 Adequacy check of mezzanine floor at building 1	Carry out any remedial works (if required) arise from design check.	6-months
5	Building 1 Deck slab adequacy check for 140 psf live load in storage building	Factory engineer to review design, loads and columns stresses	6-weeks
6	Building 1 Deck slab adequacy check for 140 psf live load in storage building	Carry out any remedial works (if required) arise from design check.	6-months