

Flamingo Fashions Ltd.(Unit-2)

Mariali, Joydebpur, Gazipur
(24.009385N, 90.415008E)
23rd February 2017

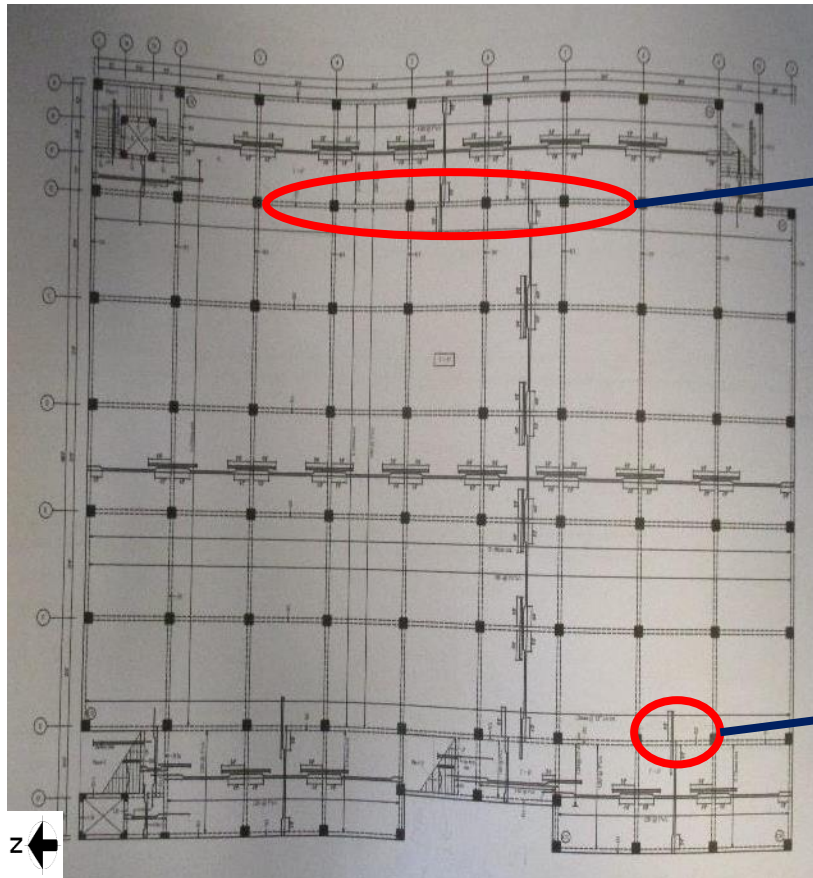




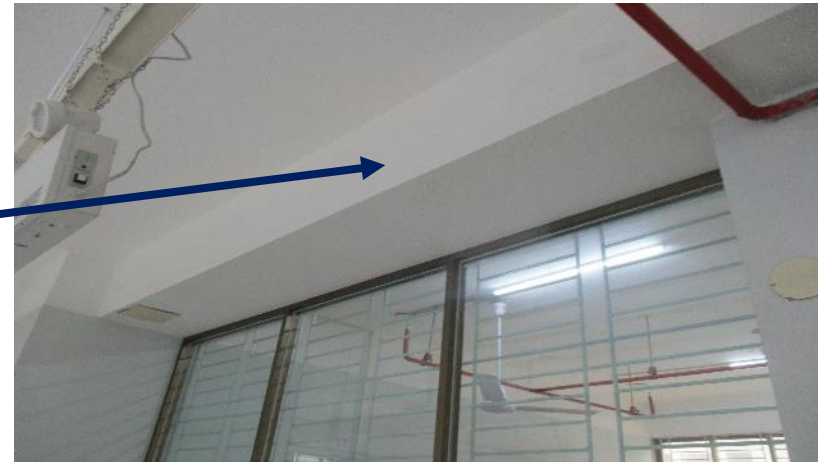
Observations



Discrepancies between drawing provided and the as-constructed building



Typical Floor Beam layout Plan

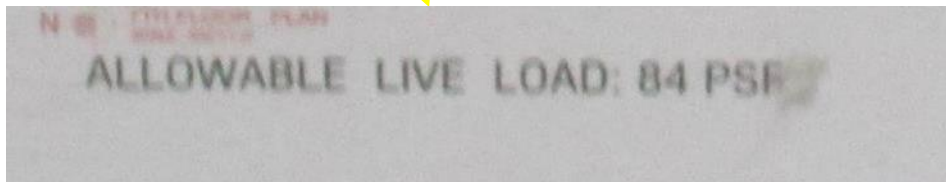
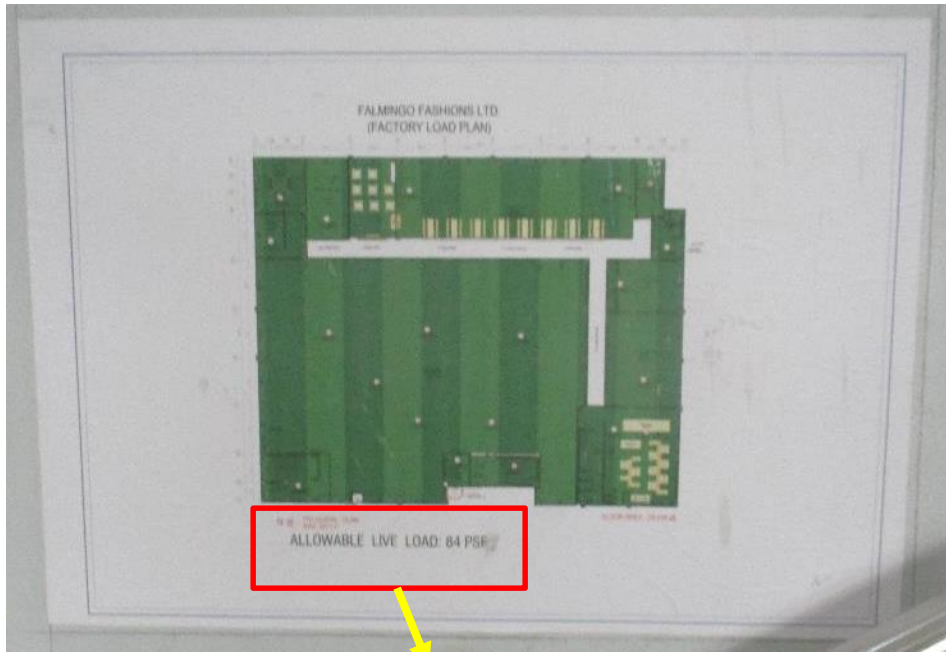


During inspection, Beam of the highlighted area found over sized. Beam width found 24 inch instead of 12 inch on almost every floor.

Observation: Discrepancies between drawing provided and the as-constructed building



Prepared Load Plan required to be verified



Factory Engineer prepared a load plan considering 4 Kpa (84 psf) allowable floor loading for production building. Design review required if the factory management wants to implement that load plan



Factory is required to maintain floor live load 3Kpa until further verification by design engineer. During inspection, no overloading was observed and FOS calculation for internal column was found satisfactory considering 3Kpa allowable live loading.

Observation: Prepared Load Plan required to be verified



Problems Observed

Production Building

Item 1: Discrepancies between drawing provided and the as-constructed building

Item 2: Prepared Load Plan required to be verified



Priority Actions



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Discrepancies between drawing provided and the as-constructed building	Building Engineer required to prepare As –Built drawings reflecting the actual condition.	6-weeks
2	Prepared Load Plan required to be verified	Maintain 3 Kpa loads on all floors.	6-weeks
3	Prepared Load Plan required to be verified	Produce and actively manage a load plan for all floor plates within the factory giving consideration to floor capacity and column capacity if loading above 3Kpa is considered.	6-weeks
4	Prepared Load Plan required to be verified	Continue to implement load plan	6-months