

Vintage Denim Apparels Ltd. (Wet Processing)

Boherarchala, Sreepur, Gazipur.
(24.190945N , 90.405580E)
5th February, 2018

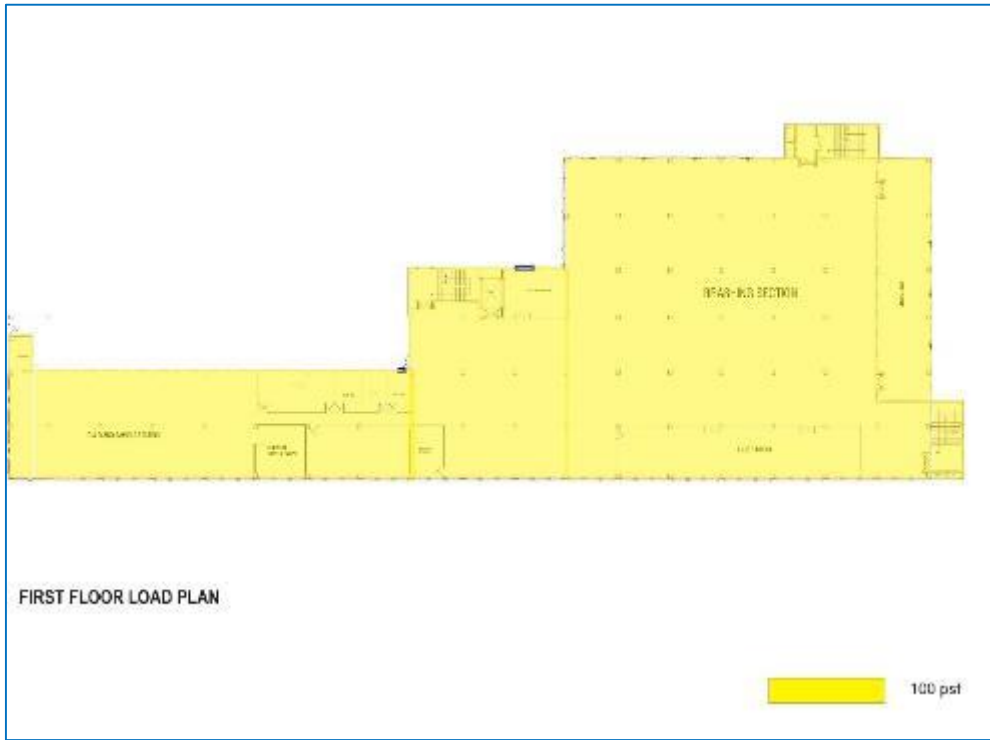




Observations



Prepared load plan required to be verified



Factory engineer has prepared a load plan considering 5kpa allowable floor loading. Design report is required if the factory management intends to implement the load plan.

Factory is required to maintain the floor live load 3 kpa until prepared load plan reviewed by design engineer.

During inspection no over loading was observed and FoS calculation for internal column was found satisfactory considering 3 kpa allowable floor live loading.

Observations: Washing Plant



Water causing damage



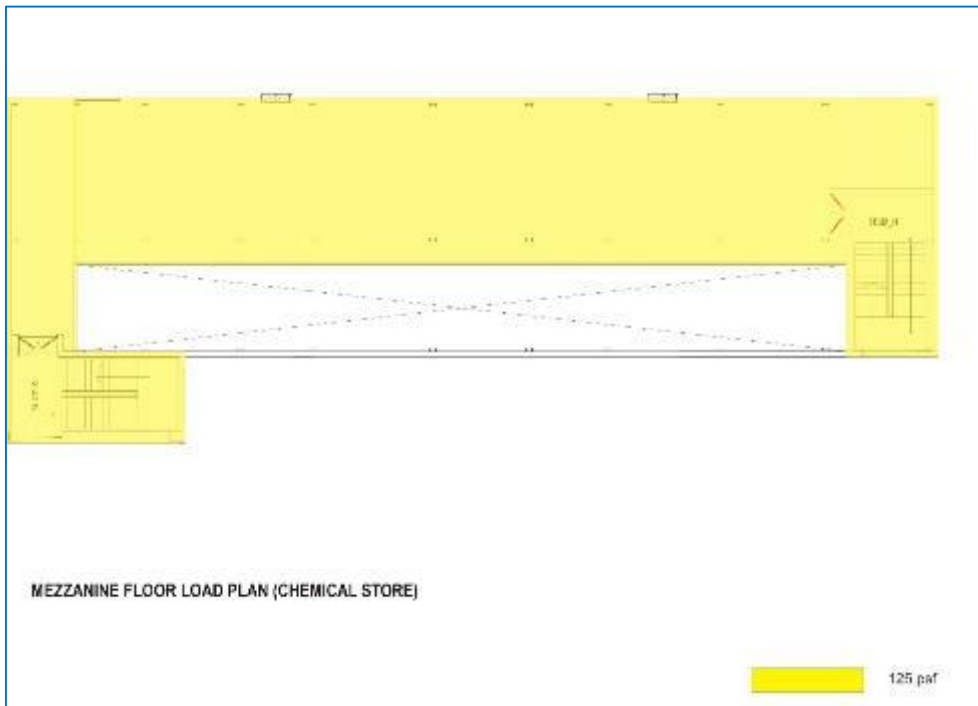
Steam rejection causing constant wetting. Unmanaged roof drainage causing corrosion to façade and structure.



Water clogging at roof



Prepared load plan required to be verified



Factory engineer has prepared a load plan considering 6 kpa allowable floor loading. Design report is required if the factory management intends to implement the load plan.

Factory is required to maintain the floor live load 3 kpa until further verification by design engineer.

During inspection no over loading was observed and FOS calculation for internal column was found satisfactory considering 3 kpa allowable floor live loading.



Paucity in drawings and mismatch in truss section



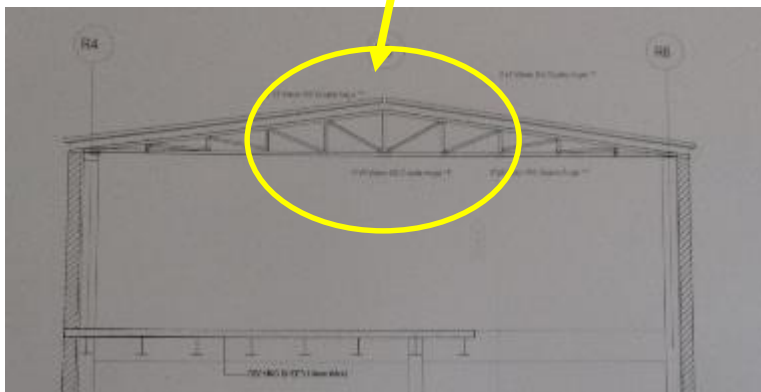
Purlin layout and connection details were not available on provided drawings. On the other hand, truss pattern did not match with as-built condition.



Typical beam-column connection



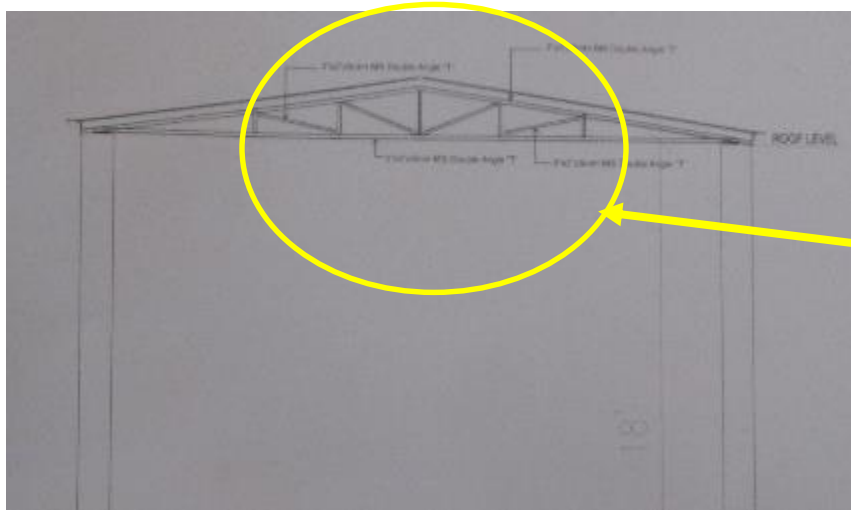
Purlin with truss



Truss section



Connection details were not available on provided drawings. Truss patterns did not match with as-built condition. Single truss member were found in as-built condition whereas double angle truss member were shown on drawings.



Truss section on drawings



Truss Section



Problems Observed

Washing Plant

Item 01: Prepared load plan required to be verified.

Item 02: Water causing damage.

Chemical Shed

Item 03: Prepared load plan required to be verified.

Item 04: Paucity in drawings and mismatch in truss section (Chemical & Boiler shed).

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	(Washing Plant) Prepared load plan required to be verified	Maintain 3 Kpa load on all floors.	6-weeks
2	(Washing Plant) Prepared load plan required to be verified	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity if loading above 3 kpa is considered.	6-weeks
3	(Washing Plant) Prepared load plan required to be verified	Continue to implement load plan.	6-months
4	(Washing Plant) Water causing damage	Manage drainage from roof level and downpipes to avoid structural corrosion due to continuous moisture.	6-weeks
5	(Chemical Shed) Prepared load plan required to be verified	Maintain 3 Kpa load on all floors.	6-weeks
6	(Chemical Shed) Prepared load plan required to be verified	Prepare design report considering the omissions and review with Accord.	6-weeks
7	(Chemical Shed) Prepared load plan required to be verified	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity if loading above 3 kpa is considered.	6-weeks
8	(Chemical Shed) Prepared load plan required to be verified	Continue to implement load plan.	6-months
9	(Chemical & Boiler shed) Paucity in drawings and mismatch in truss section	Building Engineer to survey as-built structure and prepare accurate as-built survey information with connection details for the building.	6-weeks