

Mohsin Knitwear Ltd.

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(23.624188N, 90.481758E)
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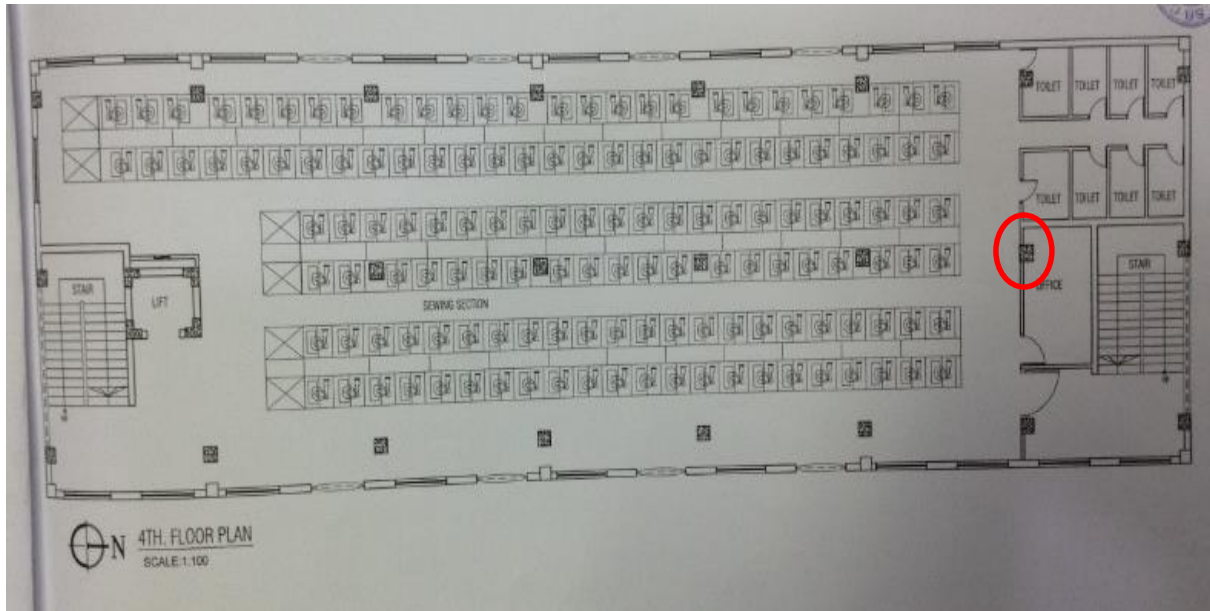


Observations

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- **Column under toilet area would appear to be stressed in excess of normal design limits**
- **Steel roof to Prayer/Dining room has no diaphragm bracing and the truss column connection is not apparent**
- **Gable wall to Prayer room has no head restraint**
- **Capping on parapet appears to be loose**
- **Floor loading uncontrolled**
- **Machine room on roof not shown correctly on drawings**
- **Stone Aggregate confirmed**

Column under toilet area would appear to be stressed in excess of normal design limits



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Steel roof to Prayer/Dining room has no diaphragm bracing and the truss column connection is not apparent



Prayer roof

There is no apparent lateral bracing in the roof structure

**No obvious connection
between the truss and the
RC column**



Gable wall to Prayer room has no head restraint



Top of brick wall
150mm thick



No Head restraint to top of wall

Capping on parapet appears to be loose



**Parapet wall on west side
(rear of building)**

**Crack along capping to
parapet wall**



Floor loading uncontrolled



6th Floor cotton bags in cantilever section of the floor



1st Floor storage in cantilever areas



6th Floor storage in centre of floor full height



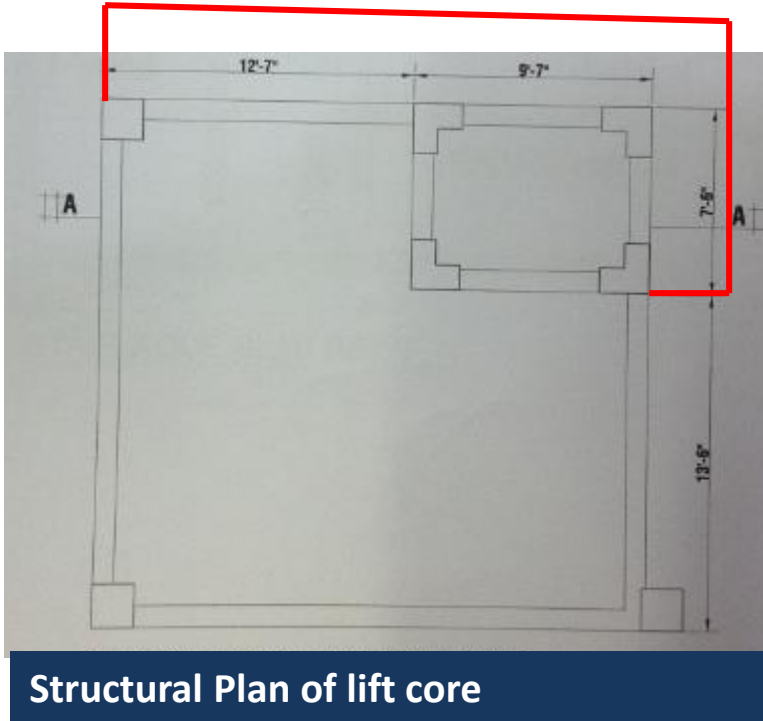
4th Floor, storage in cantilever section of the floor



1st Floor storage in centre of floor full height

**Machine room on roof not shown correctly
on drawings**

Extend of machine
room



Priority Actions

Problems Observed

ITEM 1: Column under toilet area would appear to be stressed in excess of normal design limits

ITEM 2: Steel roof to Prayer/Dining room has no diaphragm bracing and the truss column connection is not apparent

ITEM 3: Gable wall to Prayer room has no head restraint

ITEM 4: Capping on parapet appears to be loose

ITEM 5: Floor loading uncontrolled

ITEM 6: Machine room on roof not shown correctly on the structural drawings

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Columns, in the highlighted area which support the toilet area appear to be stressed in excess of normal design limits	Building Engineer to review design, loads and column stresses in area identified above.	6-weeks
2	Columns, in the highlighted area which support the toilet area appear to be stressed in excess of normal design limits	Verify insitu concrete strength either by 100mm diameter cores or existing cylinder strength data for cores from 4 columns	6-weeks
3	Columns, in the highlighted area which support the toilet area appear to be stressed in excess of normal design limits	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.	6-months
4	Steel roof to Prayer/Dining room has no diaphragm bracing and the truss column connection is not apparent	Building Engineer to review design, of the Prayer / Dining room roof and how its tied to the RC columns	6-weeks
5	Steel roof to Prayer/Dining room has no diaphragm bracing and the truss column connection is not apparent	Carry out any remedial works as a result of the above review	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
6	Gable wall to Prayer room has no head restraint	Engineer to review the stability of the gable wall of the Prayer / dining room on the top floor.	6-weeks
7	Gable wall to Prayer room has no head restraint	Carry out such works following the Engineers recommendations	6-months
8	Capping on parapet appears to be loose	Engineer to survey the capping and investigate the obvious movement	6-weeks
9	Capping on parapet appears to be loose	Carry out remedial works following the inspections and review by the Engineer.	6-months
10	Capping on parapet appears to be loose	Monitor for cracking on an ongoing basis.	6-months
11	Floor loading uncontrolled	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity	6-weeks
12	Floor loading uncontrolled	Continue to implement load plan.	6-months
13	Water tank on roof not shown correctly on the structural drawings	Building Engineer to survey as constructed machine room. Updated drawings to be prepared showing the correct as constructed layout.	6-weeks
14	Water tank on roof not shown correctly on the structural drawings	Prepare/update calculations showing the structural adequacy of the building structure taking into account the increased size and geometry of the Machine room	6-weeks
15	Water tank on roof not shown correctly on the structural drawings	Make any alterations if required from above study	6-months