

Eurotex Knitwear Ltd

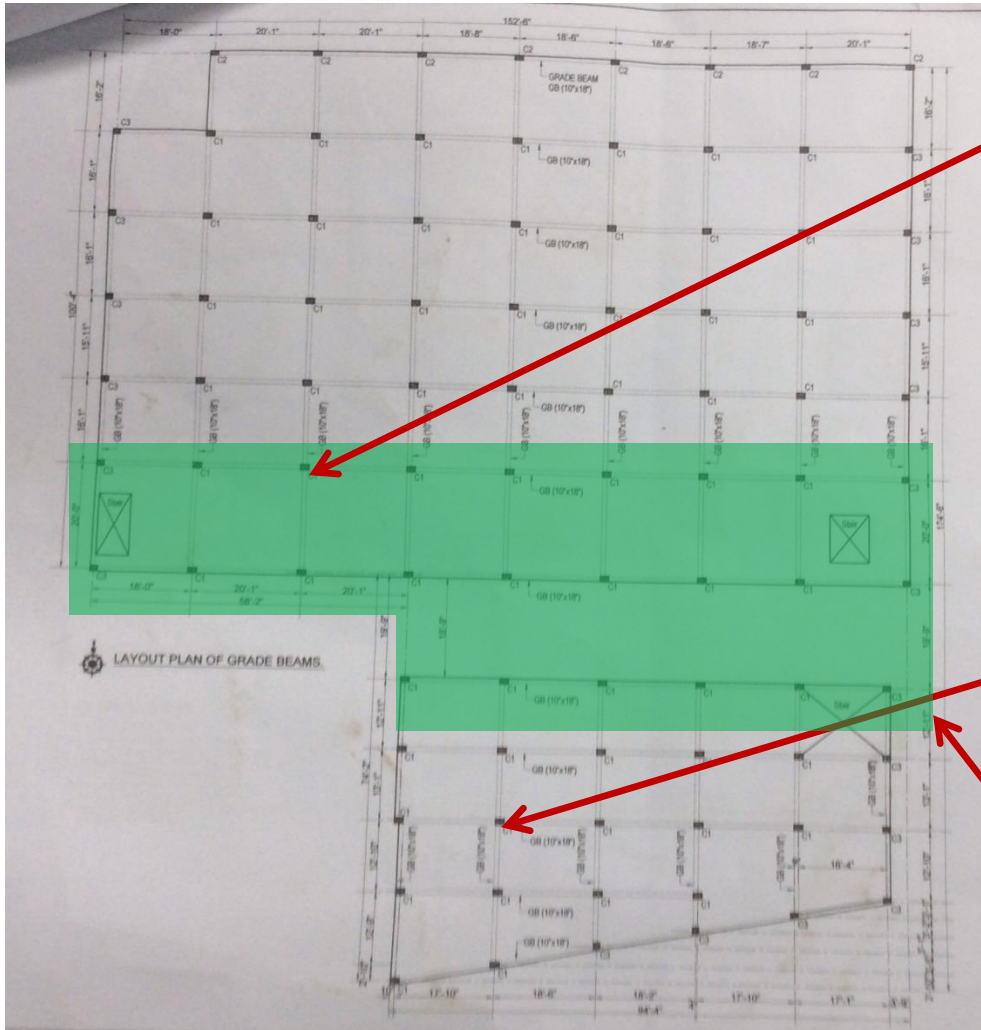
Nayamati, Kutubpur, Fatullah, Narayanganj, Bangladesh
(23.64885N,90.5021E)

02 April 2014



Observations

Columns at the interface between the main factory and the Western Annex appear to be stressed in excess of normal design limits



Tested Ground Floor Column – Stone Chips



Tested Ground Floor Column – Brick Aggregate

Cursory calculations indicate column working stress is in excess of normal design limits – for columns within the highlighted area.

Column Layout Plan

Building Engineer is to perform detailed calculations and concrete tests to prove column size and (if required):

- Reduce loads by vacating floors
- Reinforce columns

Management of Storage Loads



3rd Floor Storage Area



1st Floor Storage Area

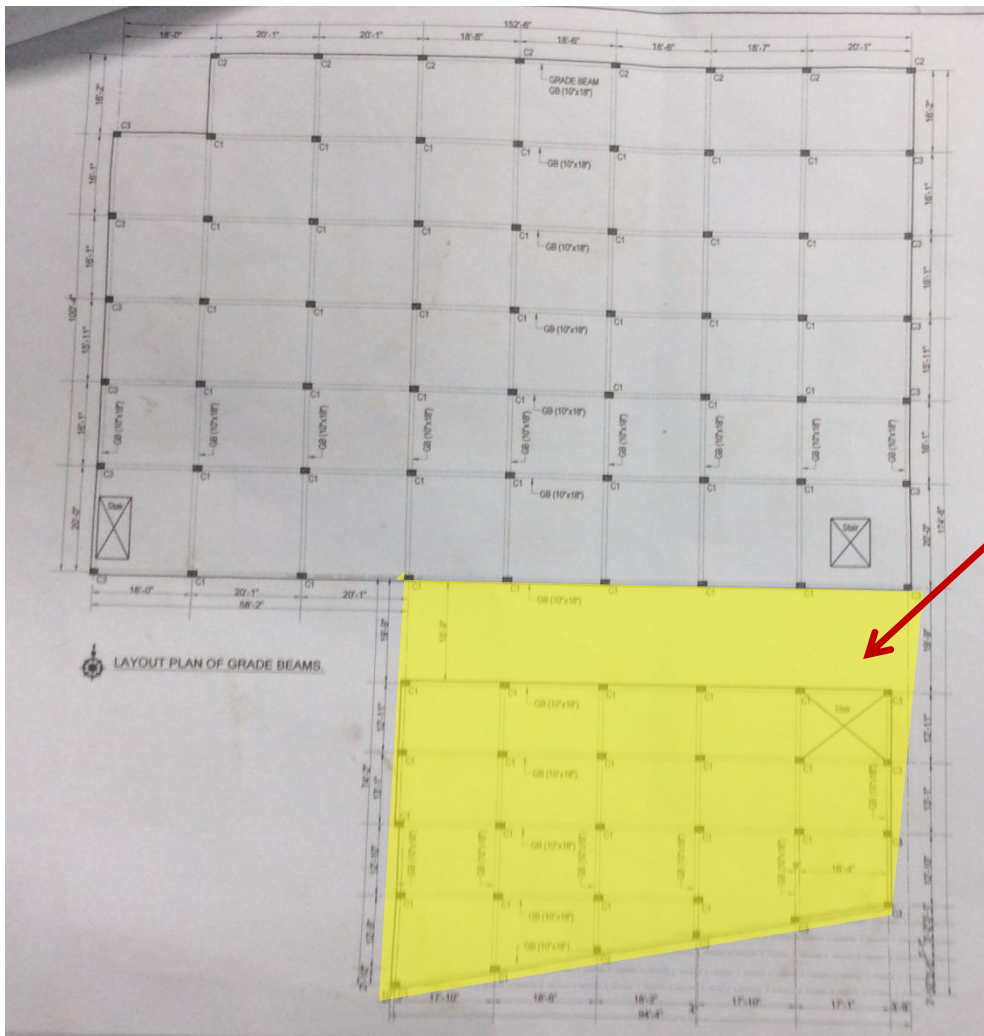
Building Engineer to prepare controlled loading plans , based on floor slab and column capacity, for all floors which will designate storage density and where storage may be placed.

Capacity of floor slab, at the north east corner, may be reduced due to penetrations adjacent to a column on the underside of 3rd floor. Building Engineer to review.



Management of Storage Loads

Inconsistencies between structural drawings and the as-constructed arrangement of the factory



Column sizes measured in this highlighted area are smaller than the size noted on the construction drawings

Building Engineer to survey as-built structure and update drawings including verification of column sizes.

Non Structural Observation

**Finished goods are stored at 5th floor level
and no handrails are provided on the stairs
to this level**



**No Handrail on Stairs to
Construction/Finished Goods
Storage Area**

**An area on the 5th floor, where construction
fit-out is on-going, is being used for storage of
finished goods.**

No handrail is provided to the access stairs.

Priority Actions

Problems Observed

ITEM 1: Columns at the interface between the main factory and the Western Annex appear to be stressed in excess of normal design limits

ITEM 2: Management of storage loads

ITEM 3: Inconsistencies between structural drawings and the as-constructed arrangement of the factory

ITEM 4: **Non Structural Observation - Finished goods are stored at 5th floor level and no handrails are provided on the stairs to this level**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Columns at the interface between the main factory and the Western Annex appear to be stressed in excess of normal design limits	Factory Engineer to review design, loads and column stresses in area identified above	6-months
2	Columns at the interface between the main factory and the Western Annex appear to be stressed in excess of normal design limits	Verify insitu concrete strength either by cores or existing cylinder strength data for the identified columns	6-months
3	Columns at the interface between the main factory and the Western Annex 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	Management of storage loads	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity	6-months

Item No.	Observation	Recommended Action Plan	Recommended Timeline
5	Inconsistencies between structural drawings and the as-constructed arrangement of the factory	Building Engineer to survey as constructed building. Updated drawings to be prepared showing the correct as constructed layout.	6-months
6	Inconsistencies between structural drawings and the as-constructed arrangement of the factory	Prepare/update calculations showing the structural adequacy of the building structure taking into account the factory design imposed loading and the as built structure.	6-months
7	Inconsistencies between structural drawings and the as-constructed arrangement of the factory	Prepare controlled loading plans for all floors designating storage density and where storage may be placed.	6-months
8	Non Structural Observation - Finished goods are stored at 5th floor level and no handrails are provided on the stairs to this level	A handrail should be provided to the access stairs to the 4th and 5th floors to ensure that factory workers accessing stored finished goods on these floors are adequately protected	Immediate - Now