

Seacotex Fabrics Ltd.

Sanarpar, Siddirganj, Narayanganj, 1430
Coordinates: 23.698852, 90.495005

19th April 2014

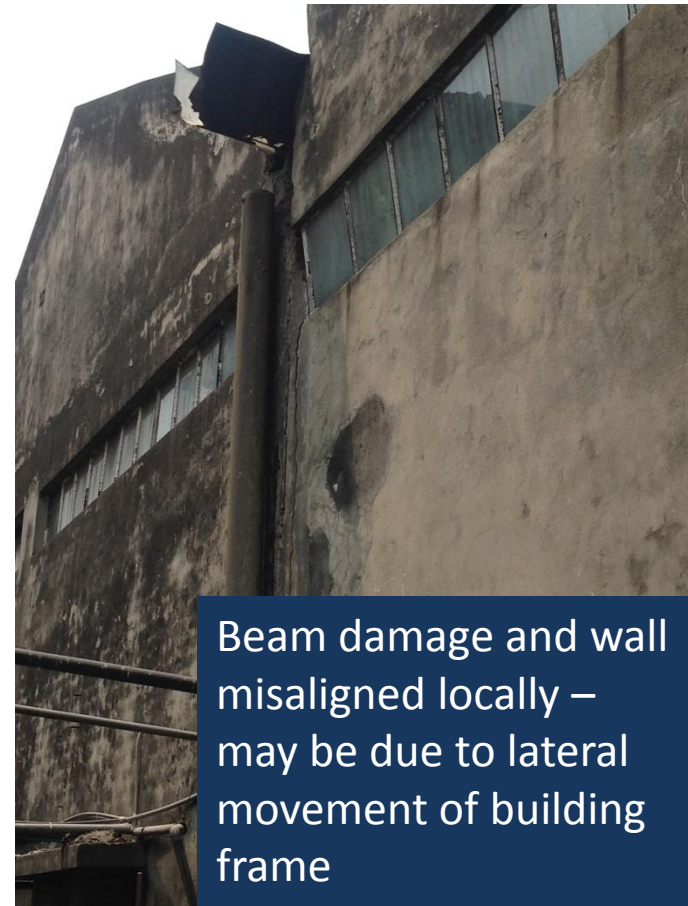


Observations

Apparent damage/movement in RC beam and wall in Cutting/ Printing Shed

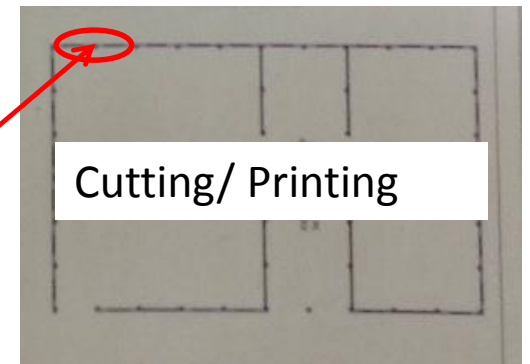


Cracks in wall



Beam damage and wall misaligned locally – may be due to lateral movement of building frame

Location of beam cracking/wall movement



Cutting/ Printing

Concrete Stress Levels in Columns in Main Building



Brick aggregate in columns

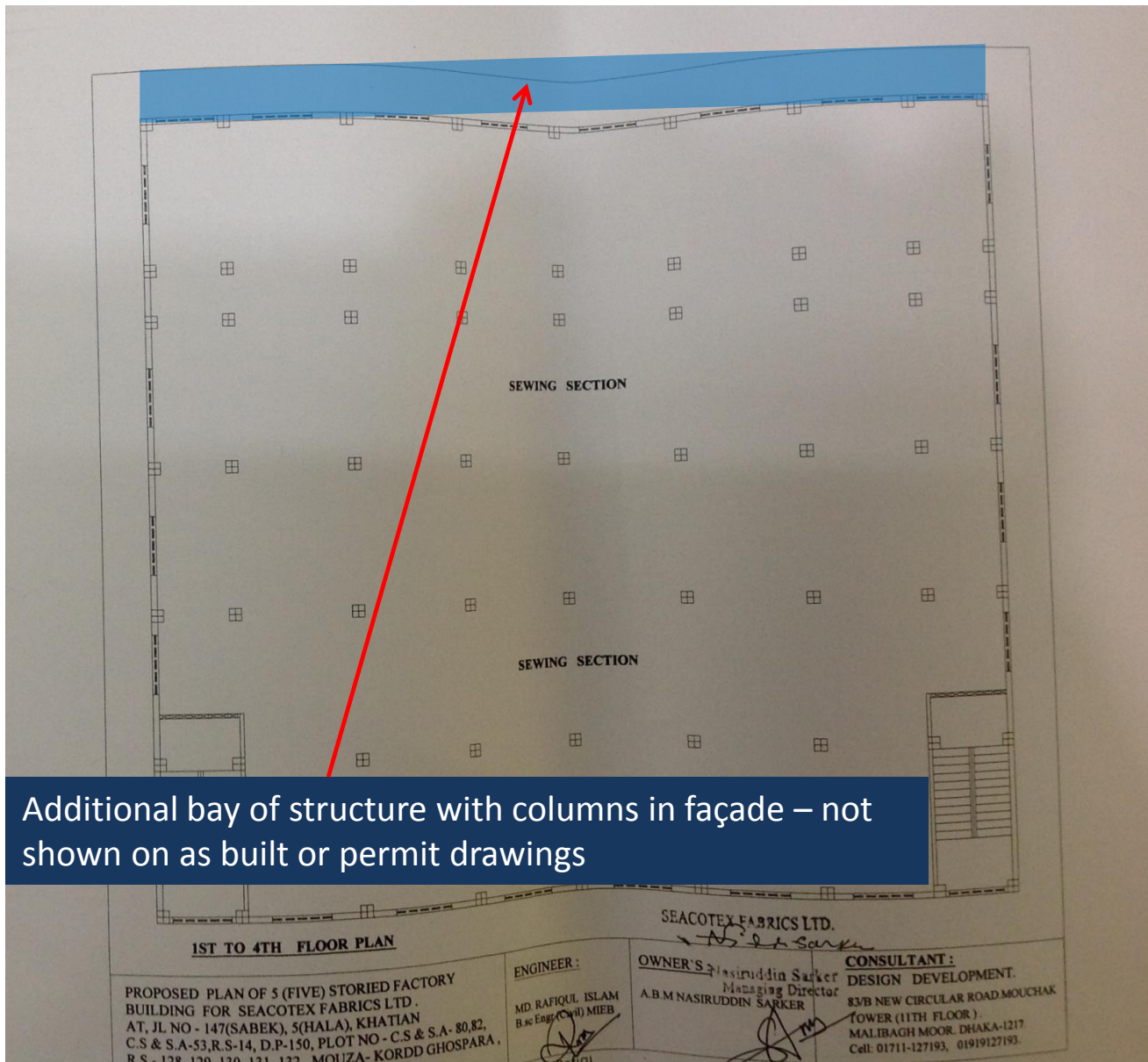


1.6m high water tank at roof level

Preliminary calculations indicate that column working stress is above that recommended by the code for the given materials and loading

High Column Loads

Undocumented additional bay on Main Building



Additional bay of structure with columns in façade – not shown on as built or permit drawings

Undocumented Additional Bay

External shed buildings – engineering checks required



External sheds – typically lightweight roofs on masonry walls or RC frame (Cutting/Dyeing). No roof bracing apparent in any of the sheds



Boiler Shed – tie down details to be reviewed to ensure adequate restraint against wind uplift

External Sheds – Engineering Check Required

Priority Actions

Problems Observed

ITEM 1: Apparent damage/movement in RC beam and wall in Cutting/ Printing Shed

ITEM 2: Concrete Stress Levels in Columns in Main Building

ITEM 3: Undocumented additional bay on Main Building

ITEM 4: External shed buildings – engineering checks required

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Apparent damage/movement in RC beam and wall in Cutting/ Printing Shed	Building Engineer to review the movement of the beam and the beam to column connection and provide details for strengthening/stabilising the connection	Immediate - Now
2	Concrete Stress Levels in Columns in Main Building	Building Engineer to review design, loads and column stresses in the columns and verify insitu stresses by taking 100mm diameter cores for 4 columns.	6-weeks
3	Undocumented additional bay on Main Building	Engage a Building Engineer to survey the structure and prepare a full set of "as-constructed" drawings	6-months
4	External shed buildings – engineering checks required	Building Engineer to check the design and capacity of the lightweight roof structures and connections details and make any necessary alterations	6-weeks