

Saad Saan Apparels Ltd.

Jamirdia, Valuka, Mymensingh, Bangladesh
(24.29148333N, 90.4046667E)

31 October 2013



Observations

Horizontal stability of trusses for Factory Shed



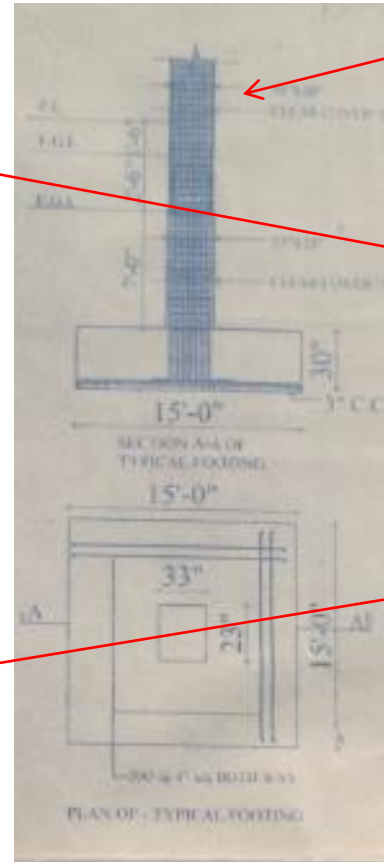
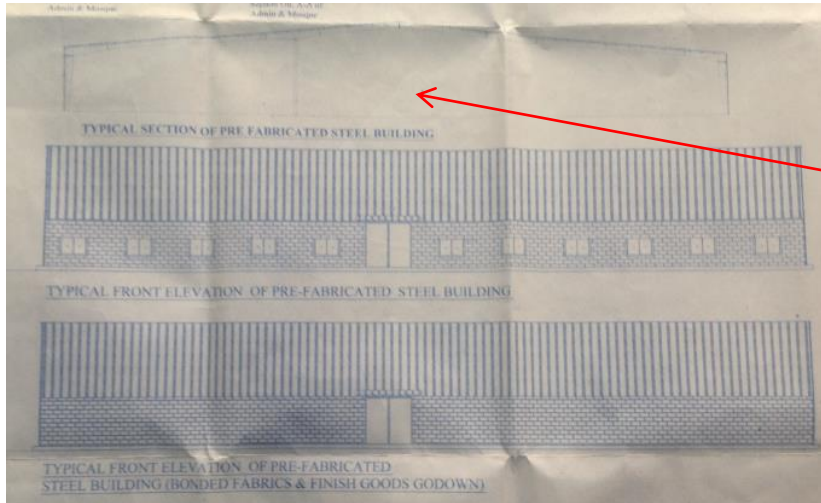
Shed
Concrete columns and beam
providing vertical stability.
Horizontal stability system in
the roof plane is required.

Vertical stability system

Horizontal stability system required

Horizontal stability of trusses

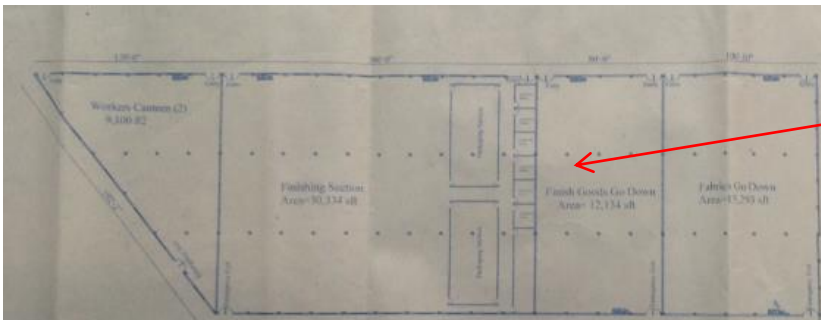
Structural drawings for Factory Shed to be completed



Pad foundation

Elevation without description of steel elements

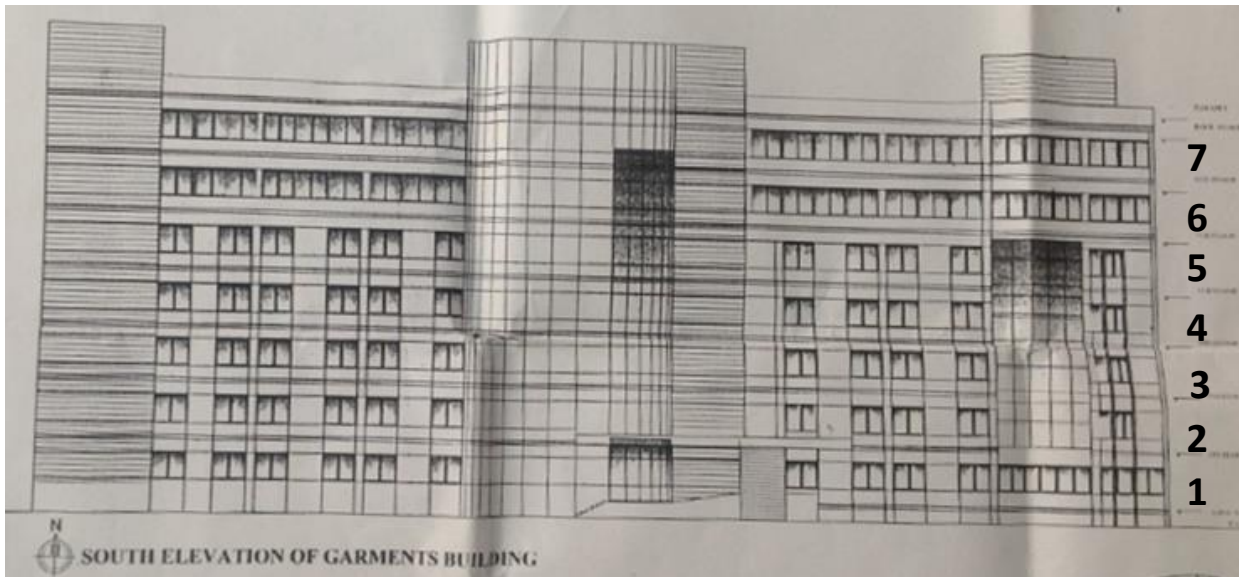
Layout of columns without spacing dimensions and ground floor beams



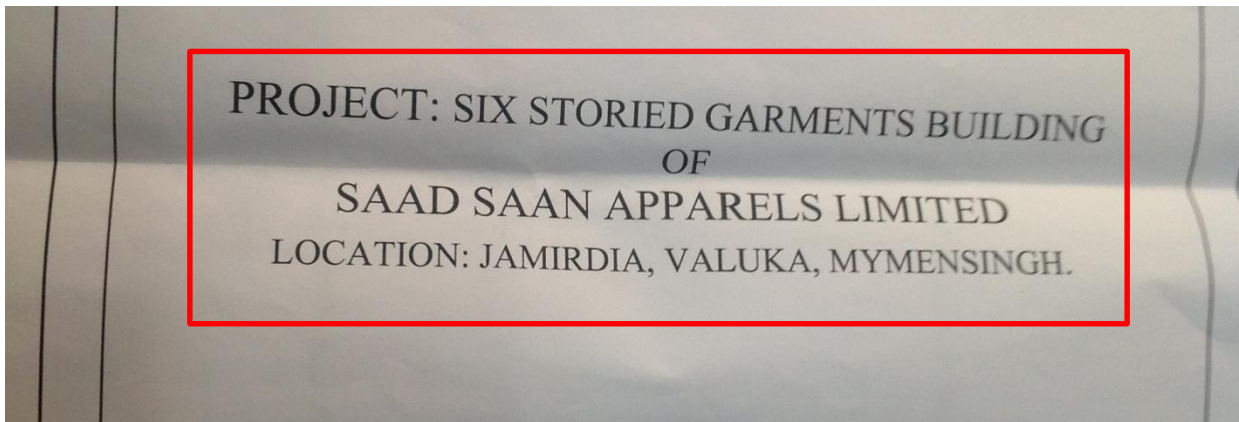
Specific structural drawings weren't shown for the factory shed, only a pad foundation detail, general elevation and general layout were shown in the permit drawings but nor columns, nor pads layout, nor ground floor beams neither steel design.

Structural drawings to be completed

**Structural drawings are not in agreement with
the arrangement of the building structure**



Permit drawings & arrangement of building.
7 storied building.



Structural drawings for SIX storied building

Structural design need to be checked and a set of “As-Built” drawings needs to be updated with the current structure.

Structural drawings

Priority Actions

Problems Observed

ITEM 1: Concrete Strength in columns

ITEM 2: Horizontal stability of trusses for Factory Shed

ITEM 3: Structural drawings for Factory Shed to be completed

ITEM 4: Structural drawings do not agree to current arrangement of the Garments Building

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Concrete Strength in columns	Factory Engineer to review design, loads and columns stresses in area identified above.	6-weeks
2	Concrete Strength in columns	Verify in situ concrete stresses either by cores or existing cylinder strength data for cores from 4 columns.	6-weeks
3	Concrete Strength in columns	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	Horizontal stability of trusses for Factory Shed	Building engineer to carry out a stability analysis and provide additional stability system.	6-months
5	Structural drawings for Factory Shed to be completed	Building engineer to collect information and complete documentation soonest.	6-months
6	Structural drawings do not agree to current arrangement of the Garments Building	Building Engineer to check the structural design and produce a set of "As-Built" drawings of the current structure.	6-months