

Sigma Fashions Ltd (10597)

Sigma Washing Ltd

RS-61, Thonaid, Tajpur road, Yearpur union, Zirabo, Ashulia

17.May.2014



Identified Priority 1 Concerns

None

Identified Priority 2 Concerns

None

Identified Priority 3 Concerns

Main Production Building - Wood floor infilling at the T.I. room.

Main Production Building and Washing Building - Lightweight structural steel roof.

Medical and day care Building - Reinforcing steel at the roof.

1st Priority 3 Concern



At the Main Production Building, precisely in the T.I. Room, inappropriate wooden floor infilling of unused slab openings. This must be checked by the Factory Engineer immediately. Until then, restrict the floor use locally on all floors. The areas must be cordoned off to prevent use.



2nd Priority 3 Concern

At the Main Production Building and the Washing Plant, there is a lightweight structural steel roof at the stair cases and elevator shafts. A review of these structures by the Factory Engineer is required, especially as regards its resistance to lateral and uplift loads caused by wind.

3rd Priority 3 Concern



At the Medical and day care center Building, the reinforcing steel bars of the columns are extended over the roof slab even though no future construction is planned. This situation will allow water to seep into the concrete slab and cause long-term soaking of the slab. We recommend that the Factory Engineer remedy this problem.

Water Ingress at Roof Level



At the Main Production Building, Washing Plant and the Utility Building, no waterproofing membrane was visible on these roofs. This means that any cracks in the surface finishes on the roof will allow water to seep into the concrete slab and cause long-term soaking of the slab causing corrosion of the reinforcement and deterioration of the brick chip concrete.



Priority Actions

Problems Observed Summary

- ITEM 1: (Priority 3) Main Production Building - Wood floor infilling at the T.I. room.**
- ITEM 2: (Priority 3) Main Production Building and Washing Building - Lightweight structural steel roof.**
- ITEM 3: (Priority 3) Medical and day care Building - Reinforcing steel at the roof.**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Main Production Building - Wood floor infilling at the T.I. room.	Carry out a verification of this structure by the Factory Engineer of the infilling and carry out remedial works as necessary.	6-weeks
2	Main Production Building - Wood floor infilling at the T.I. room.	Complete the correct infilling construction work.	6-months
3	Main Production Building and Washing Building - Lightweight structural steel roof.	Carry out a Detailed Engineering Assessment by the Factory Engineer of this lightweight structural steel roof.	6-weeks
4	Main Production Building and Washing Building - Lightweight structural steel roof.	If it is necessary, carry out any remedial works recommended.	6-months
5	Medical and day care Building - Reinforcing steel at the roof.	Factory engineer to provided details to remediate at this situation and provide adequate waterproofing.	6-weeks
6	Medical and day care Building - Reinforcing steel at the roof.	Carry out remedial works to protect slab rebar.	6-months