

JK Knit Composite Limited (Textile & Utility Buildings)

10/1, South Dariapur, Savar, Dhaka-1340, Bangladesh.

(23.834171, 90.255487)

03 July 2022



Building Information

Building-9 (Utility Building-2): Five storied (G+4) reinforced concrete (RC) structure.

Dyeing Shed: Single storied steel shed.

Finishing Shed: Single storied steel shed.

Fire Pump Room: Single storied RC structure with UGWR.

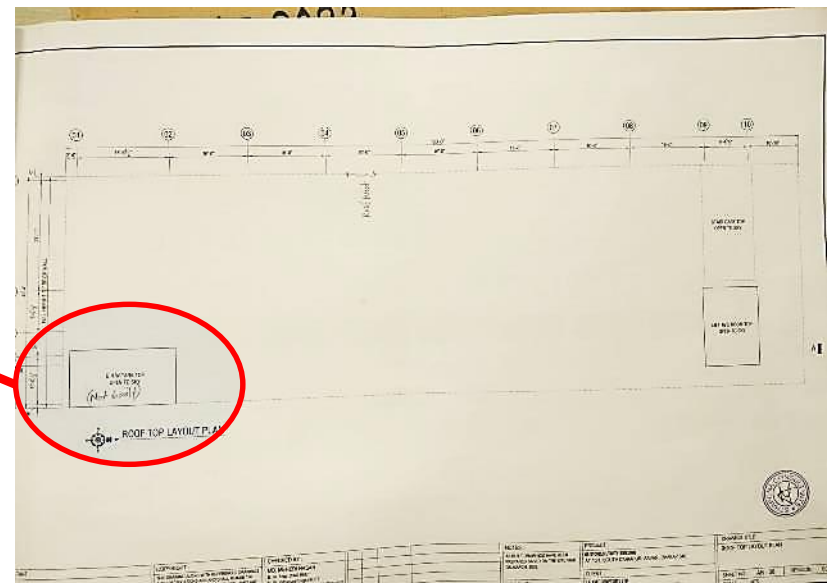
Temporary Steel Shed: Single storied steel shed.

Observations

Discrepancy between as-build drawing and on-site condition



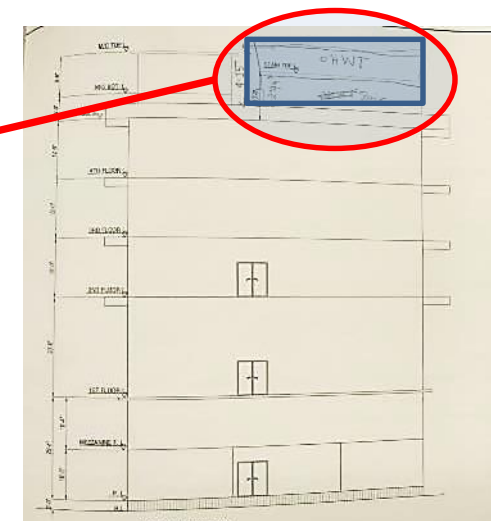
South East Staircase (OHWT not constructed)



OHWT shown in the As-built drawing



OHWT constructed over South East Staircase



No OHWT shown in the As-built drawing

Discrepancy observed in the provided drawing. Factory Engineer is required to prepare as-built drawing.

Incomplete parapet wall



Parapet wall not constructed due to the placing of roof hoist west side of the roof. Factory is required to complete the construction of parapet wall to avoid possible falling hazard.

Water stagnant on the roof



Stagnant water on the roof was observed. The factory is required to develop proper drainage system on the roof with adequate slopping.

Storage racks without anchorage/bracing



Storage racks on the floors are not adequately anchored or braced to resist earthquake forces.

Factory is required to anchored or braced properly all kinds of non-structural elements.

Lack of bracing at steel roof



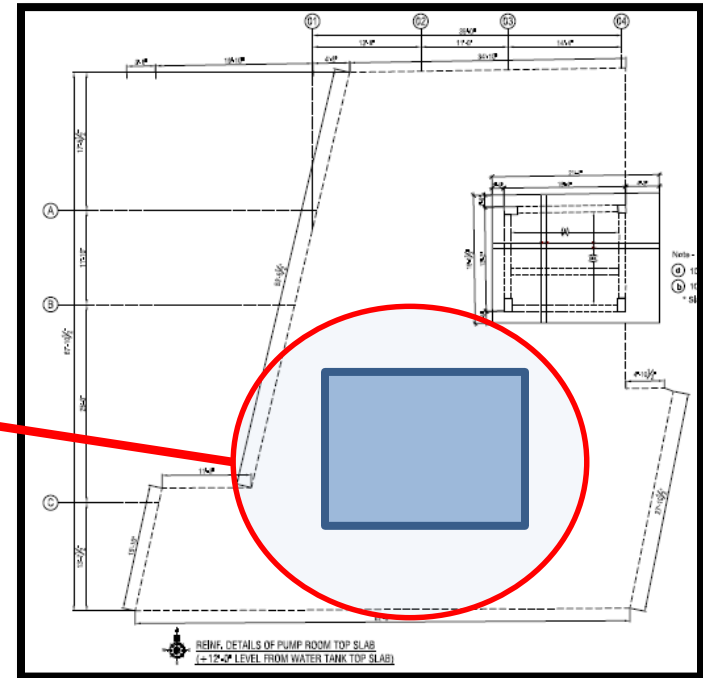
Lack of bracing at roof

The building engineer is required to check the requirement of roof bracing.

Undocumented platform on the top slab of OHWT



Undocumented rooftop slab and column on site

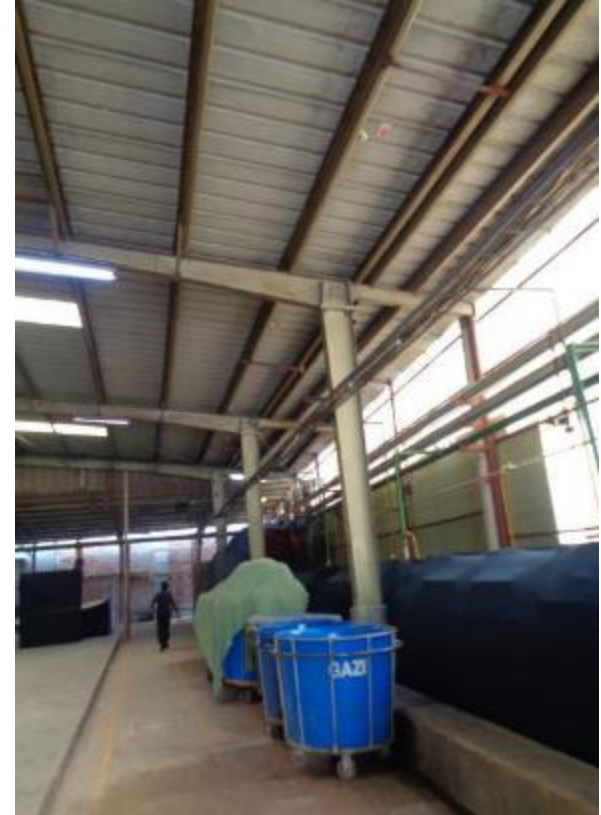


Rooftop slab over UGWT not shown in Drawing

The building engineer is required to update the as-built drawing and check the capacity of top slab.

Observation: Fire Pump Room

Lack of lateral stability system



Lack of compression member along long direction of the shed

The building engineer is required to prepare the as-built drawing and check the lateral stability system of the steel shed.

Problems Observed

Building-09 (Utility Building-2):

Item 01: Discrepancy between drawing and on-site condition.

Item 02: Incomplete parapet wall.

Item 03: Water stagnant on the roof.

Item 04: Storage racks without anchorage/bracing.

Finishing Shed:

Item 05: Lack of bracing at steel roof.

Fire Pump Room:

Item 06: Undocumented platform on the top slab of OHWT.

Temporary Steel Shed:

Item 07: Lack of lateral stability system.

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Discrepancy between drawing and on-site condition. (Building-09).	Building engineer is required to survey the structure & prepare accurate as-built drawings.	6-weeks
02	Incomplete parapet wall. (Building-09).	Factory is required to complete the construction of parapet wall to avoid potential of falling hazard.	6-weeks
03	Water stagnant on the roof. (Building-09 (Utility Building-2)).	Factory is required to develop proper drainage system on the roof with adequate slope.	6-weeks
04	Storage racks without anchorage/bracing. (Building-09 (Utility Building-2)).	Factory is required to anchored or braced properly all kinds of non-structural elements.	6-weeks
05	Lack of bracing at steel roof. (Finishing Shed).	The building engineer is required to check the requirement of roof bracing and suggest remedial action accordingly.	6-weeks
06	Lack of bracing at steel roof. (Finishing Shed).	Carry out suggested remedial works (if required).	6-months
07	Undocumented platform on the top slab of OHWT. (Fire Pump Room).	- Building engineer is required to survey the structure & prepare accurate as-built drawings with structural details. - Check the adequacy of top slab of UGWR.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
08	Lack of lateral stability system. (Temporary steel shed).	The building engineer is required to prepare the as-built drawing, check the lateral stability system and suggest proper remedial actions accordingly.	6-weeks
09	Lack of lateral stability system. (Temporary steel shed).	Carry out suggested remedial works.	6-months