

Pentagon Knit Com Ltd. Global Apparel Park Ltd.

123, Jaymat Khan Road, Pagar, Tongi, Gazipur, Bangladesh.

(23.894774N, 90.421400E)

17th January, 2017



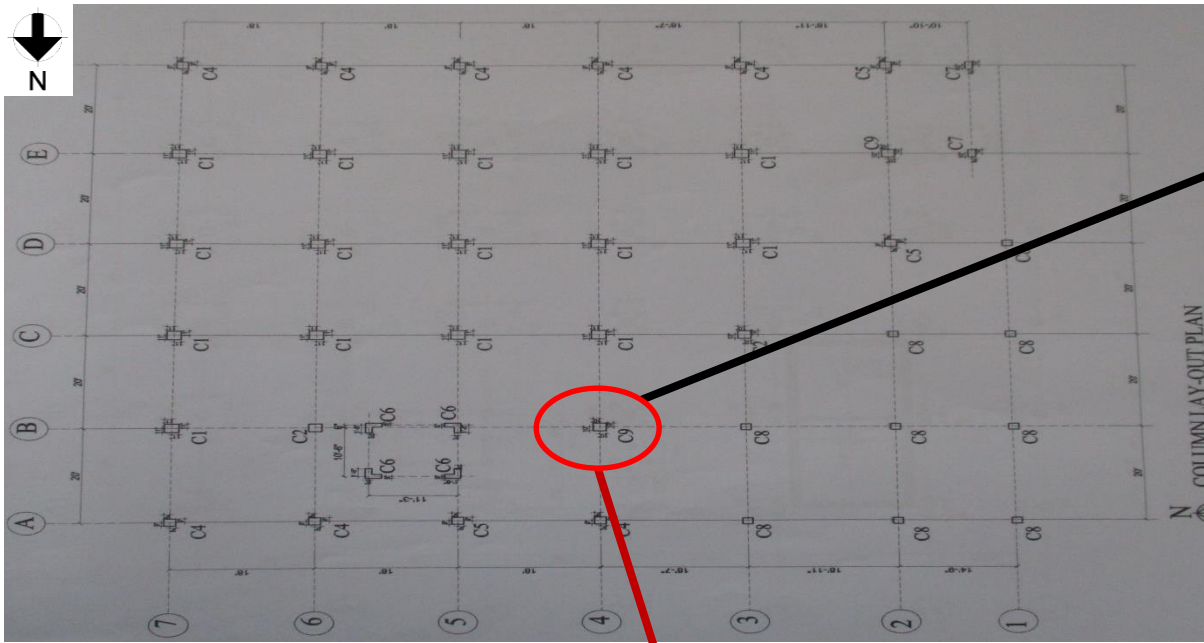


Observations



Discrepancies between Structural drawings and site observations

Observation : Building-1

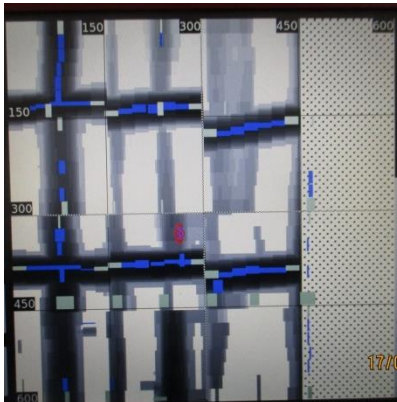


Column layout plan

Number of Bars	4-20+4-16mm Ø	4-20+4-16mm Ø	
C9			
Column Size	22x22"	20x20"	20x20"
Number of Bars	20-20mm Ø	20-20mm Ø	16-20mm

NOTE FOR COLUMN: CONCRETE FOR COLUMN TEST RESULT ACCORDING TO THE REQUIREMENTS. SAND FILL NOT LESS THAN 10% OF COLUMN VOLUME. (1) 16mm Ø 450mm Ø (2) 16mm Ø 450mm Ø (3) 16mm Ø 450mm Ø (4) 16mm Ø 450mm Ø

Column schedule



External column



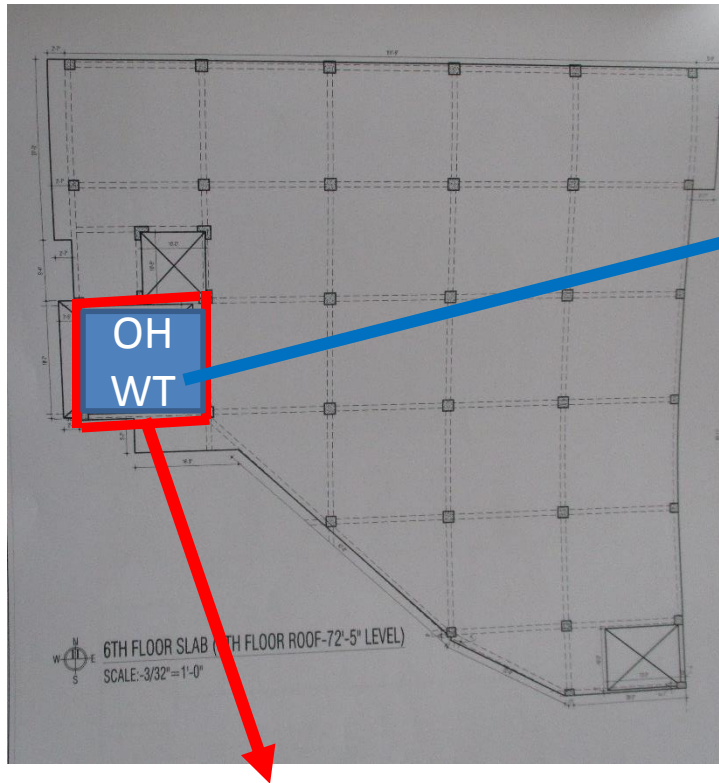
column

The number of reinforcement does not match with column schedule . 16 number of rebar was found where column schedule shown 20 rebar. Factory engineer is required to be checked and update as built drawing.

Observation : Building-1



Adequacy of slab under OHWT needs to be checked



Location of OHWT

No beams were observed at 7th floor/roof in these locations under the OHWT. 55000 liters capacity water tank resting on slab. The capacity of slab is required to be checked.



Bottom slab of OHWT

Adequacy of slab under OHWT needs to be checked



Exposed and corroded rebar



Exposed rebar's were observed along the northern facade. Factory management informed that they are planning for horizontal extension in future. Rebar's were found in corroded condition.

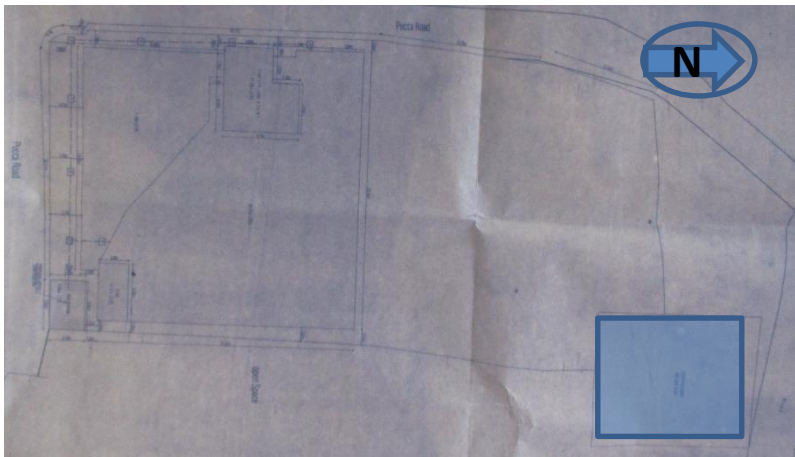
Exposed Rebar



**As- Built Structural Drawing of Utility Building
was not available**



Utility Building



No detail drawing (As-built structural) was available during inspection.

As- Built Structural Drawing of Utility Building was not available



Problems Observed

Item 1: Discrepancies between Structural drawings and site observations

Item 2: Adequacy of slab under OHWT needs to be checked

Item 3: Exposed and corroded rebar

Item 4: As- Built Structural Drawing of Utility Building was not available



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	As- Built Structural Drawing of Utility Building was not available	Building Engineer to produce a set of As Built drawing Utility building.	6-weeks
2	Adequacy of slab under OHWT needs to be checked	Building engineer to review that slab under OHWT is designed to carry the imposed load .	6-weeks
3	Adequacy of slab under OHWT needs to be checked	Implement any actions arising from review.	6-months
4	Exposed and corroded rebar	If further construction is intended, factory engineer to verify if the rebar's are in good condition and replace them if necessary.	6-weeks
5	As- Built Structural Drawing of Utility Building was not available	Building Engineer to produce a set of As Built drawing Utility building.	6-weeks