Tusuka Apparels Ltd. (Relocation)

40/5, Hazrat Shahjalal Road,Rajnagar, Sataish, Tongi, Gazipur.
(23.922301, 90.35821)

20th December 2021

RSC RMG SUSTAINABILITY COUNCIL

- **Building Information**

1. **Building 2** is a 4-storied (G+3) reinforced concrete building.

Observations

Prepared design report not fully comply with BNBC

Observations: Building 2

Floor Loading

		ice	15.0	9.0 (5)
2.7		5 Printing plant :		
4.5		Press room	7.0	11.0 (5)
		Composing and linotype room	5.0	9.0 (5)
2.7		Paper storage room	12.0	9.0 (5)
		6 Motor room, fan room etc. including the weight of machinery	7.5	4.5
4.5		7 Cold storage, grain storage	15.0	9.0 (5)
		8 Storage warehouses : light	6.0	4.5 (5)
4.5		heavy	12.0	9.0
		9 Foundries	20.0	12.0
7.0				

INDUSTRIAL, STORAGE & HA
(Occupancy - G, H & J
Workshop, factory, warch

As per BNBC, the minimum floor live load for light storage is 6 kN/m2 (125 psf). The storage in this building is designed for 4 kN/m2 live loads.
The building engineer is required to revise the storage live load limit based on BNBC requirement.

Serial no.	Type	Item	Maximum Live load (psf)	Description	Legend
01	Light	Store Room	84	Typical Store Room	
02	Light	Toilet	63	Typical Toilet for Male & Female	
03	Light	Staircase	100	Typical Staircase	
04	Light	Veranda	63	Typical Veranda	
05	Light	Moulding Room	63	Typical Moulding Room	
06	Light	Lobby	63	Typical Lobby	
07	Light	Accessories store	63	Typical Accessories store	
08	Light	Iron Section	63	Typical Iron Section	
09	Light	Fitting Room	63	Typical Fitting Room	
10	Light	3D Room	63	Typical 3D Room	
11	Light	Cutting Section	63	Typical Ramp	
12	Light	Fabric Store	84	Typical Fabric Store	
13	Light	Room	63	Typical Room	
14	Light	Lift	63	Typical Lift	
15	Light	Merchandiser Room	63	Typical Merchandiser Room	
16	Light	Sewing section	63	Typical Accessories store	
17	Light	Pattern master Room	63	Typical Pattern master Room	
18	Light	Lectra Room	63	Typical Lectra Room	
19	Light	Finishing Section	63	Typical Finishing Section	
20	Light	Q.C section	63	Typical Q.C section	
21	Light	Waiting room	63	Typical Waiting room	
22	Light	Pantry	63	Typical Pantry	
23	Light	Maintenance Room	63	Typical Maintenance Room	

Floor loading as per design report

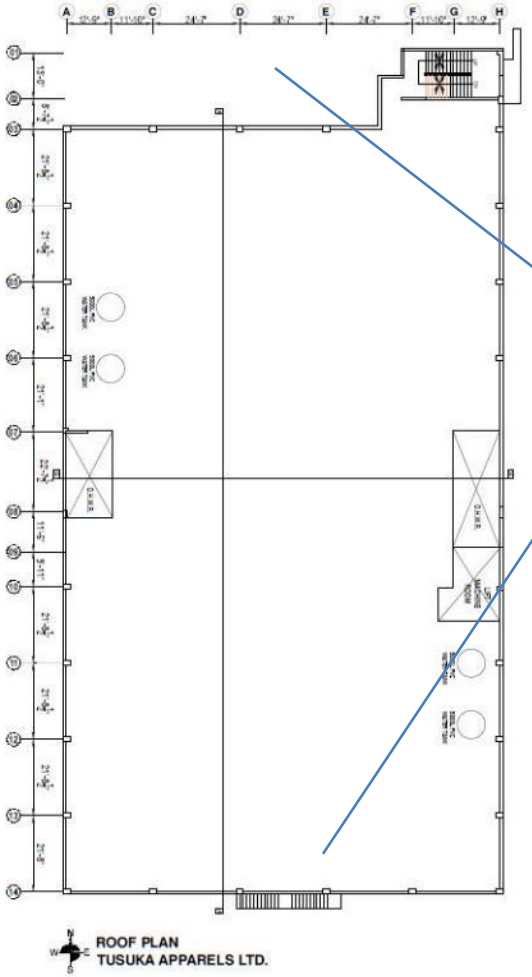
Observations: Building 2

Signage of dampness

Signage of dampness observed in the building. Building engineer is required to identify the reason of the dampness and suggest suitable repair works.

Observations: Building 2

Lack of as-built drawing of roof



Ornamental Slab

No as-built drawings were available onsite for the roof. Building engineer is required to produce a as-built drawings.

Observations: Building 2

Column susceptive to trolley impact

Observation: Building-2

Column susceptive to trolley impact

Some of the columns were found adjacent of driveway of trolley movement. These column are susceptive to trolley impact. The factory engineer is required to take necessary measures to prevent the trolley impact by providing the barrier around the columns.

Observation: Building-2

Problems Observed

Building 2:

01: Prepared design report not fully comply with BNBC.

02: Signage of dampness.

03: Lack of as-built drawing at roof.

04: Column susceptive to trolley impact

Priority Actions

Item No.	Observation	Recommended Action Plan	Recommended Timeline
01	Prepared design report not comply with BNBC.	The building engineer to check the occupancies and update the floor live loading plan for the building based on BNBC loading requirements, capacity of building floor, column & foundations.	6-weeks
02	Prepared design report not comply with BNBC.	Revise the design report as per updated load plan.	6-weeks
03	Prepared design report not comply with BNBC.	Implement the floor loading plan (posting load plan, providing signage and maintaining loadings).	6-months
04	Signage of dampness.	Building engineer is required to identify the reason of the dampness and suggest suitable repair works.	6-weeks

Item No.	Observation	Recommended Action Plan	Recommended Timeline
05	Signage of dampness.	Carryout repair works where necessary.	6-weeks
06	Lack of as-built drawing of roof.	Building engineer is required to produce as-built drawings of the roof.	6-weeks
03	Column susceptive to trolley impact.	The factory engineer is required to provide proper barrier around the columns to protect from possible trolley impact.	6-weeks