

SP Garments Ltd (Extension 2)

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(24.166879, 90.424443)

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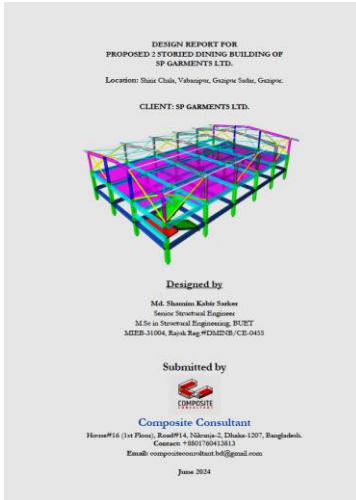


1. Building Information

1. This is a two-storied (G+1) building. The ground floor has an RC frame, and the first floor is a prefabricated steel structure.

2. Observation

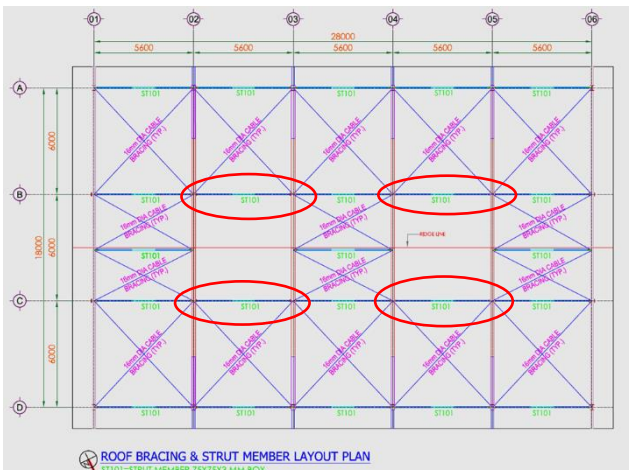
Observation-1: Design report required to be reviewed by RSC for lateral loading. (Dining Building)



Design report



Dining Building



Strut member layout



Strut member missing on-site

Description: A set of design reports for the dining building was available. The design report needs to be reviewed for lateral loading.

Moreover, the marked strut members were not found on-site. The building engineer is required to survey the full structure and prepare complete as-built structural drawings. Also, the stability system should be checked, considering the strut member's position at the site.

Observation-2: Present floor usage does not comply with the prepared load plan. (Dining Building)



বাংলাদেশ গেজেট, অতিরিক্ত, ফেব্রুয়ারি ১১, ২০২১ ৩১১৫

Occupancy or Use	Uniform kN/m ²	Concentrated kN
Assembly areas and theaters		
Fixed seats (fastened to floor)	2.90	--
Lobbies	4.80	--
Movable seats	4.80	--
Platforms (assembly)	4.80	--
Stage floors	7.20	--
Balconies (exterior)	4.80	--
On one- and two-family residences only, and not exceeding 19.3 m ²	2.90	--
Bowling alleys, poolrooms, and similar recreational areas	3.60	--
Catwalks for maintenance access	2.00	1.33
Corridors		
First floor	4.80	--
Other floors, same as occupancy served except as indicated		
Dance halls and ballrooms	4.80	--
Decks (patio and roof)	Same as area served, or for the type of occupancy accommodated	
Dining rooms and restaurants	4.80	--
Dwellings (see Residential)	--	--

Description: As per the prepared load plan (2.9 kN/m²) the seats are to be fastened to the floor. However, the seats are not fastened to the floor. The building engineer is required to maintain the prepared load plan otherwise revise the load plan and related design documents based on alternative (4.8 kN/m²) BNBC requirements.

Observation-3: Connection gap. (Dining Building)



Description: Connection gaps were observed at the joint. The building engineer is required to carry out suitable remedial work.

3. Action Plan:

Item No	Observation	Action Plan	Timeline
01	Design report required to be reviewed by RSC for lateral loading. (Dining Building)	The building engineer is required to survey the full structure and prepare complete as-built structural drawings.	within 6 weeks
02		The building engineer is required to check the stability of the structure considering the strut member's position at the site.	within 6 weeks
03		Prepared design report to be checked against lateral loads following BNBC 2020 by RSC.	within 6 weeks
04		Carry out the suggested remedial works.	within 6 months
05	Present floor usage does not comply with the prepared load plan. (Dining Building)	The building engineer is required to maintain the prepared load plan otherwise revise the load plan and related design documents based on alternative BNBC requirements.	within 6 weeks
06	Connection gap. (Dining Building)	The building engineer is required to carry out suitable remedial work.	within 6 weeks