Disney Sweater Ltd.

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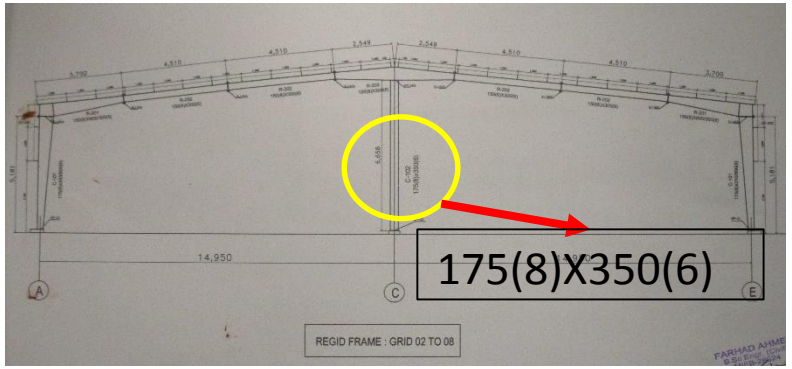
(23.747071N, 90.536042E)

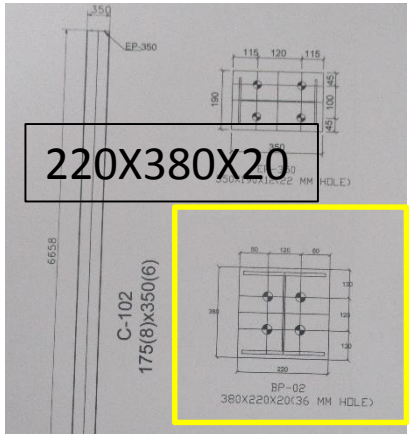
22nd February, 2017

ACCORD
on Fire and Building Safety in Bangladesh

Observation

Bracing layout, steel columns and base plate sizes doesn't match with structural drawings.





Concrete broke out underneath of the base plate.

Drawings shows columns are 175(8)X350(6) mm but on site column of 175(8)X300(6) mm was observed. Base plate was observed 220X330X20 instead of 220X380X20. Building Engineer is required to check the as built condition and prepare as built drawings. Also required to check the structural adequacy for the reduced size of section.

Observation: Building-2

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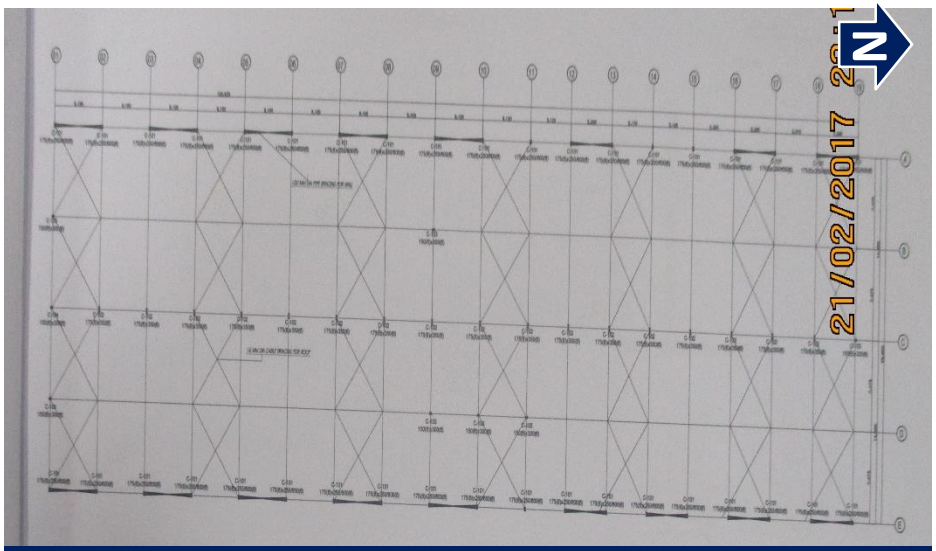

Bracing layout

Missing bracing

This frame suppose to be gable frame.

Roof bracings were not installed as per drawings. It may effect the stability of the shed against lateral loading. Building engineer is required to check the lateral stability of the shed against lateral loading.

Observation: Building-2

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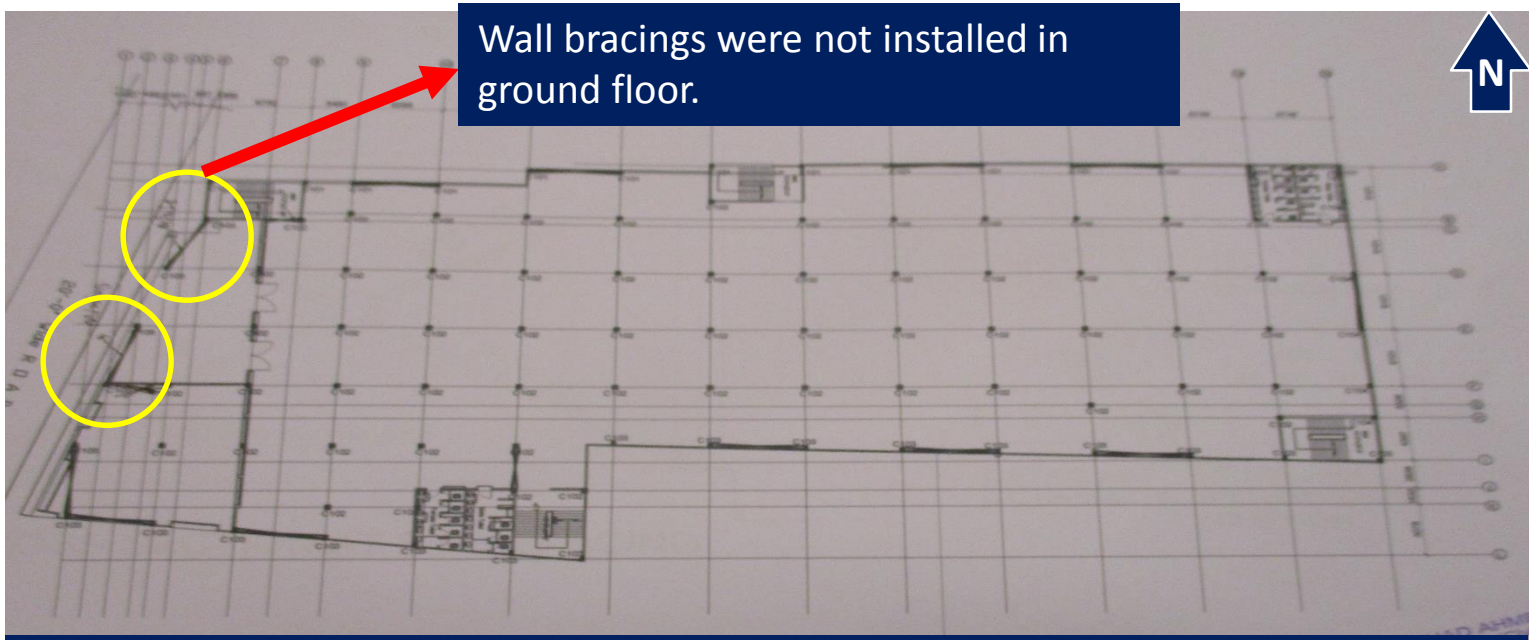
Wall bracings were found missing



Wall bracing layout

Wall bracing missing area in ground floor

Wall bracings were missing as per drawings. Building engineer is required to check the drawings and install bracing where required.

Observation: Building-1

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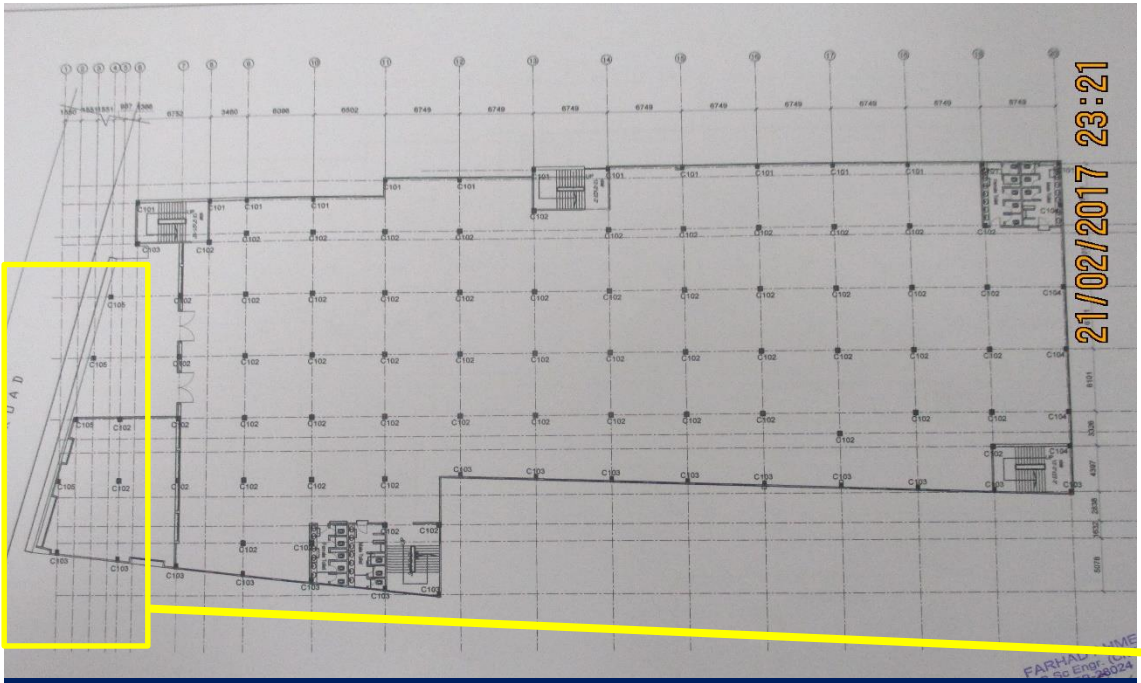
Column layout and size doesn’t match with drawings.



Column layout plan

Column layout of this portion doesn't match with drawings.

Several columns were found short of 10mm as per drawing

Building engineer is required to check the site condition and update the as built drawings.

Observation: Building-1

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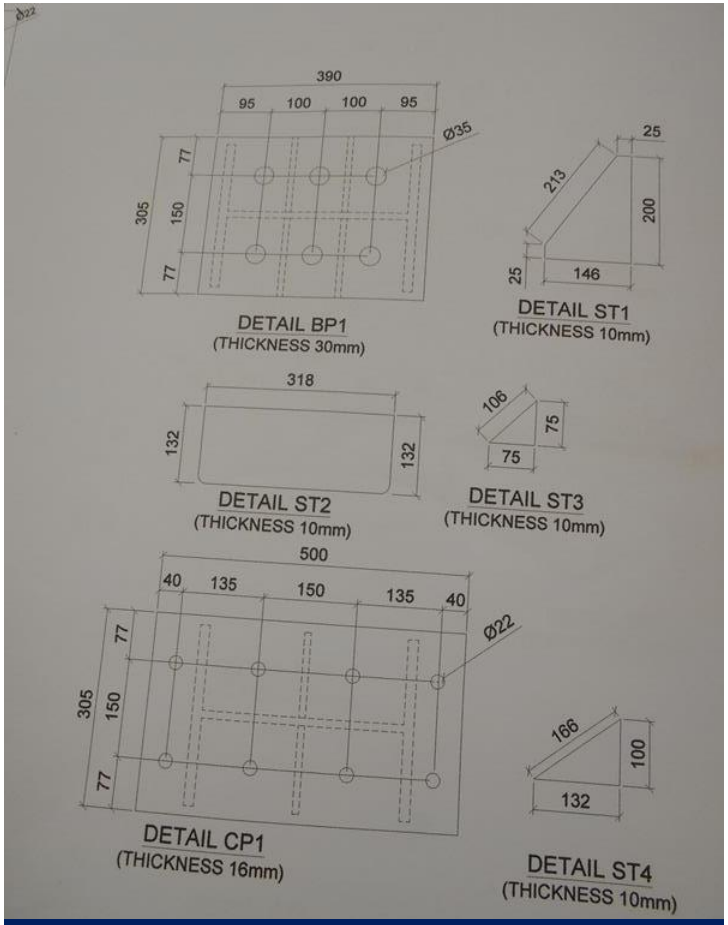
Carryout steel fabrication & erection works as per drawing.



Erection drawings of BP

Missing stiffener as per drawing.

Building engineer is required to check the steel erection and fabrication drawings and carry out the erection works where not installed yet

Observation: Building-1

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Water logging at roof.

Water logging was observed on roof. It may effect the steel section for long term effect. Building engineer is required to provide water proofing layer and drainage system to be improved.

Observation: Building-1

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Produce as-built drawings of all ancillary structures.

No drawings were available for ancillary structures. Building engineer is required to produce drawings for ancillaries.

Observation: Building- 3,4 & 5

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Priority Action

Problems Observed

Building#2 Production Shed:

1: Bracing layout, steel columns and base plate sizes doesn't match with structural drawings.

Building#1 Main Production Building:

2: Wall bracings are missing.

3: Column layout and size doesn't match with drawings.

4: Carryout steel fabrication & erection works as per drawing.

5: Water logging at roof.

Building#3,4 & 5 Ancillary Building:

6: Produce as-built drawings for all ancillary structures.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Bracing layout, steel columns and base plate sizes doesn't match with structural drawings	Building Engineer is required to carry out the Engineering Assessment to ensure structural adequacy. Also check the lateral stability against lateral loading.	**6-weeks**
2	Bracing layout, steel columns and base plate sizes doesn't match with structural drawings	Produce the update as built drawing as part of Engineering Assessment.	**6-weeks**
3	Bracing layout, steel columns and base plate sizes doesn't match with structural drawings	Check the base plate adequacy against uplift force	**6-weeks**
4	Bracing layout, steel columns and base plate sizes doesn't match with structural drawings	Carryout remedial works where necessary.	**6-months**
5	Wall bracings were found missing	Install the missing bracing to ensure stability.	**6-weeks**
6	Wall bracings were found missing	Carryout remedial works where necessary	**6-months**

Item No.	Observation	Recommended Action Plan	Recommended Timeline
7	Column layout and size doesn't match with drawings	Building engineer is required to check the on site condition and update the as built drawings. Structural members integrity is required to check for revised condition.	**6-weeks**
8	Column layout and size doesn't match with drawings	Carryout remedial works where necessary	**6-months**
9	Carryout steel fabrication & erection works as per drawing	Carry out erection and fabrication works as per drawings to supplement the design parameters.	**6-weeks**
10	Water logging at roof	Improve the drainage system to prevent long term effect of water logging.	**6-months**
11	Produce as-built drawings for all ancillary structures	Building engineer is required to produce as built drawings for all ancillary structures.	**6-weeks**