

Weldone Apparels Ltd. #10249

Baraidrchalae, Sreepur, Gazipur

(+24.188374N, 90.416153E)

12.May.2014



Identified Priority 1 Concerns

Main building –
structural system does not provide any lateral load resisting
system

poor steel detailing at the roof



1st Priority 1 Concern - Major Concern

During our survey, we have only found shear tab connections (perimeter and interior columns) which provide no moment resistance. All the masonry is in front of the steel structure

Base plates are not designed for moment resisting either.

We consider this building to have no lateral resisting system and could present signs of instability in case of high winds or earthquakes.

We require a full Detail Engineering Assessment of this building





2nd Priority 1 Concern

We have certain concerns with the roof structure as there are some missing bolts and main beam elements that are not restrained.

Include in Detail Engineering Assessment of the building



Identified Priority 3 Concerns



1st Priority 3 Concern

The single storey sheds are flimsy and show poor detailing.

We recommend a Detailed Engineering Assessment of the sheds in the courtyard.

Priority Actions

Problems Observed Summary

ITEM 1: Priority 1 - Main Building has no lateral load resisting system

ITEM 2: Priority 1 - Poor steel detailing at the roof

ITEM 3: Priority 3 - Sheds are flimsy

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Main Building has no lateral load resisting system	Carry out an immediate full Detail Engineering Assessment of the steel structure including lateral stability	Immediate – Now
2	Main Building has no lateral load resisting system	Prepare engineering plans of required remedial works.	6-weeks
3	Main Building has no lateral load resisting system	Carry out all remedial works deemed necessary by DEA.	6-months
4	Poor steel detailing at the roof	Complete the connections with missing bolts Include roof structure in full Detailed Engineering Assessment.	Immediate – Now
5	Poor steel detailing at the roof	Make sure ALL the bolts are well tightened	6-weeks
6	Poor steel detailing at the roof	Carry out any remedial works deemed necessary by assessment.	6-months
7	Sheds are flimsy	We recommend a Detailed Engineering Assessment of the sheds in the courtyard.	6-months