

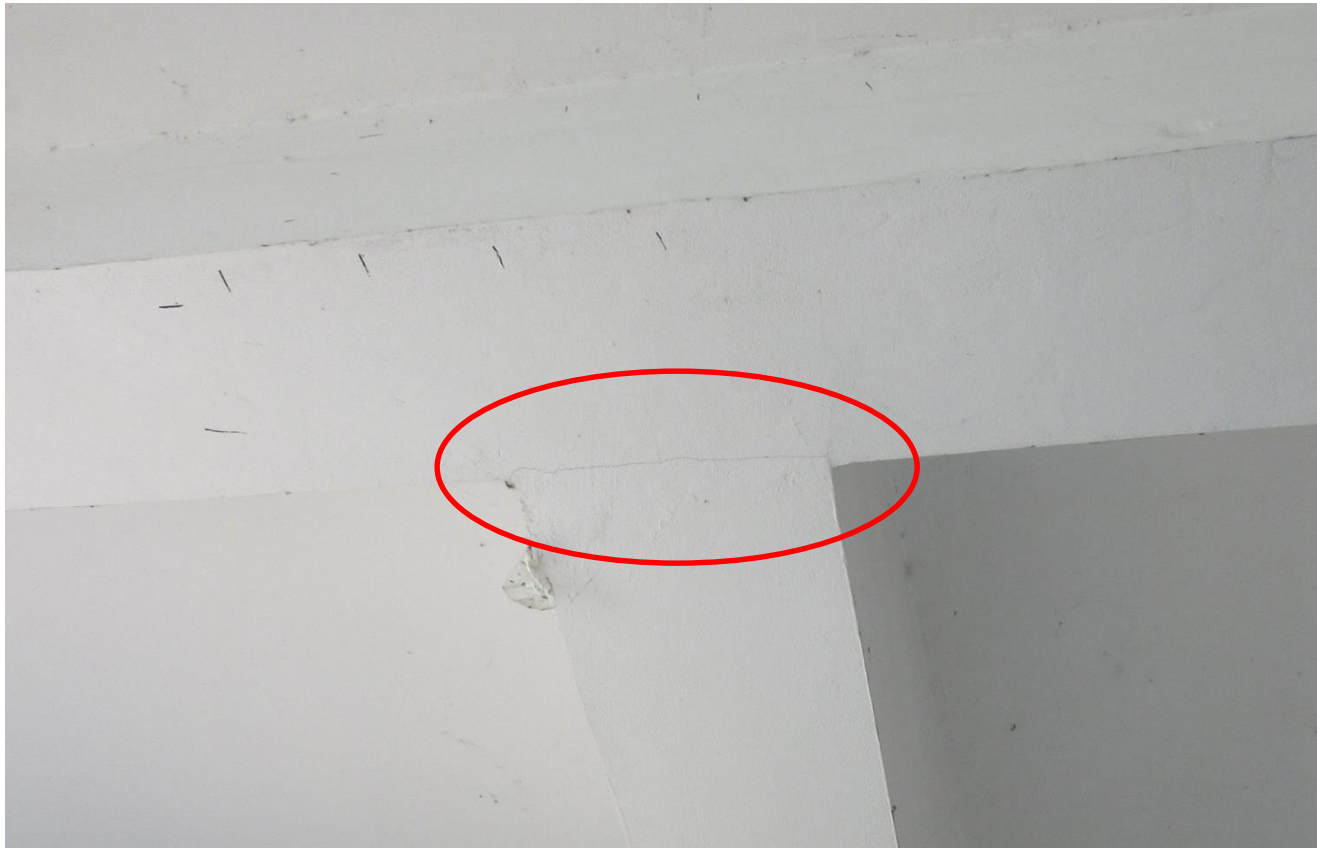
GOLDEN STITCH DESIGN LTD

Rajaghat, Rajfulbaria, Savar, Dhaka-1347, Bangladesh
(23.813915 N, 90.257765 E)
24th November 2015



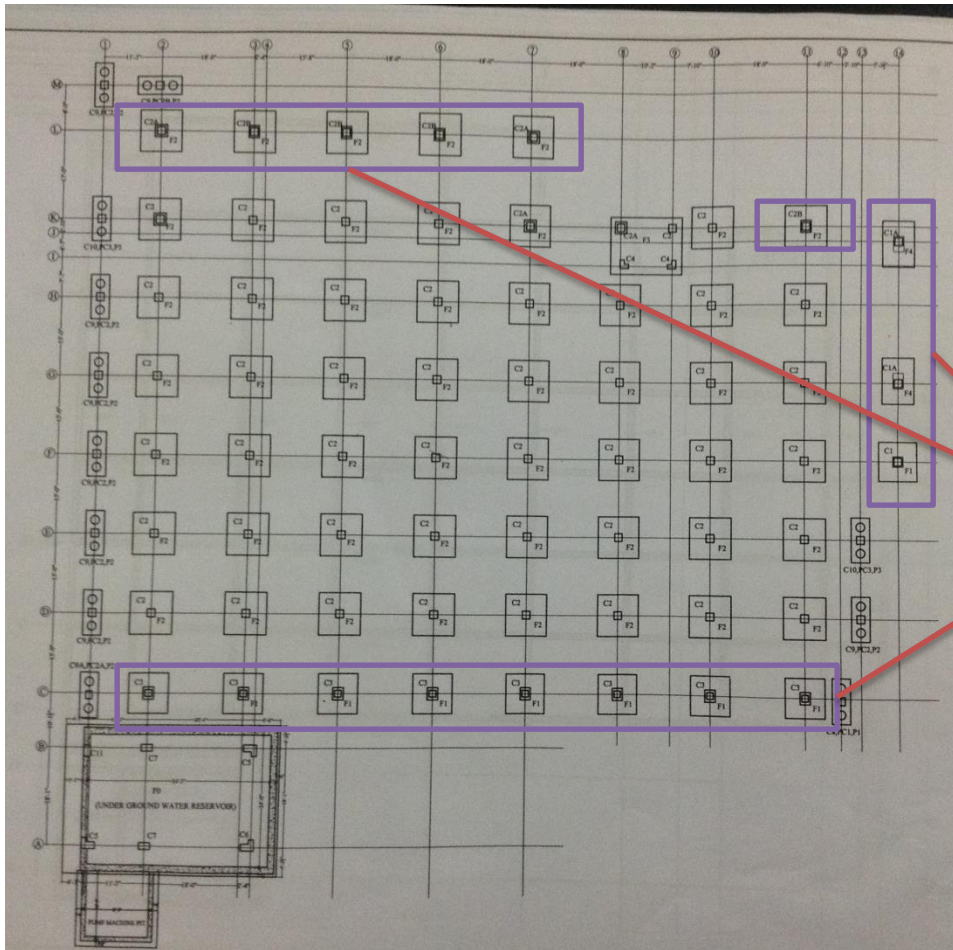
Observations

Hairline Cracks at Beam to Beam Connection – Building 1



**Cracks observed at the same beam-to-beam connection region
at 3rd and 2nd floors.**

Jacketed Columns are not Connected to the Foundations – Building 1



Existing edge columns were retrofitted by jacking at the first two floors, however the jacket parts are not connected to the foundations, but resting on grade beams.

Stability of the Warehouse Steel Structure



There is no horizontal bracing at roof level nor vertical bracing between columns which raise concern on the stability of the structure.

Connections at Warehouse Steel Structure



At some joint locations of the roof beams there exist gap between the end plates.

Priority Actions

Problems Observed

ITEM 1: Grade Beams and Slab Supporting Jacketed Columns

ITEM 2: Lack of Stability Members at Warehouse

ITEM 3: Hairline Crack at a Beam-to-Beam Joint in Building 1

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Grade Beams and Slab Supporting Jacketed Columns	Jacketed columns at East and West sides of Building 1 are sitting on grade beams and slab and transferring the loads to these members instead of foundations. Grade beam and slab capacity to be checked and necessary actions to be taken.	6-months
2	Lack of Stability to structural system in the Warehouse	Structural system of the Warehouse to be assessed and necessary bracing to be provided for stability. (We were told that this is in progress at the moment)	6-months
3	Hairline Crack at a Beam-to-Beam Joint in Building 1	Hairline cracks at beam-to-beam joint in 2nd and 3rd floors to be monitored.	6-months
4	Hairline Crack at a Beam-to-Beam Joint in Building 1	Necessary repair actions to be taken.	6-months