



NRG Knit Composite (Unit-1)

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(23.619136N, 90.477915E)
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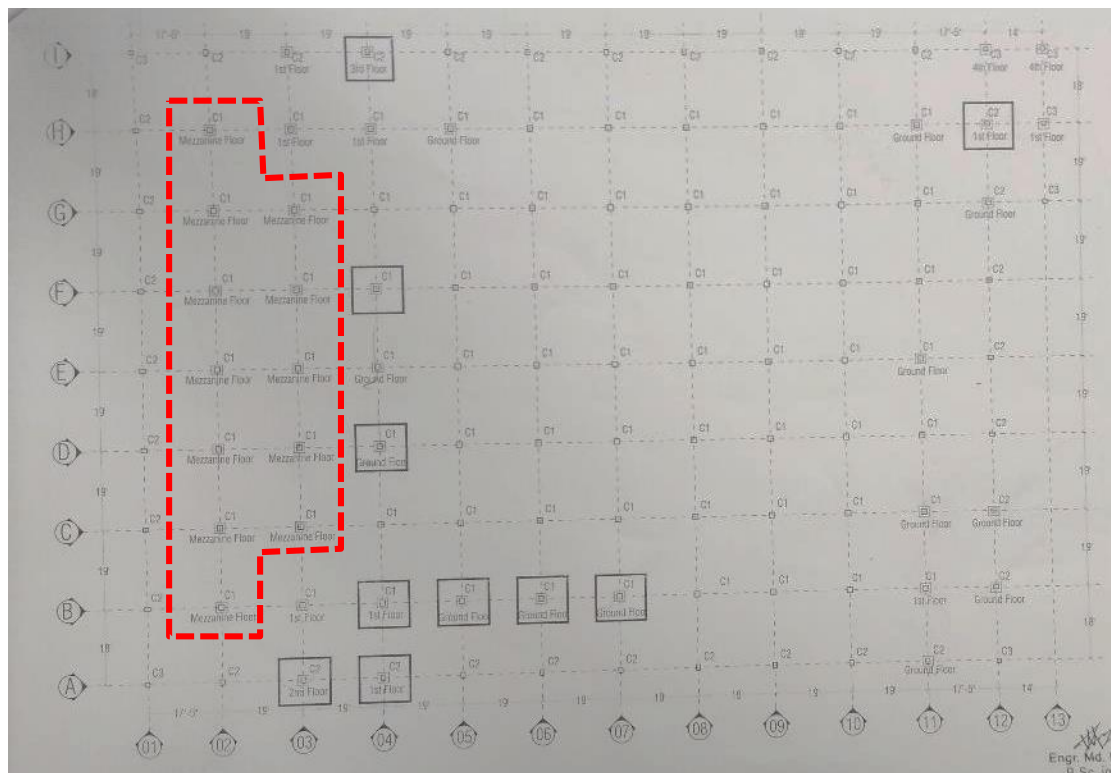


Observations

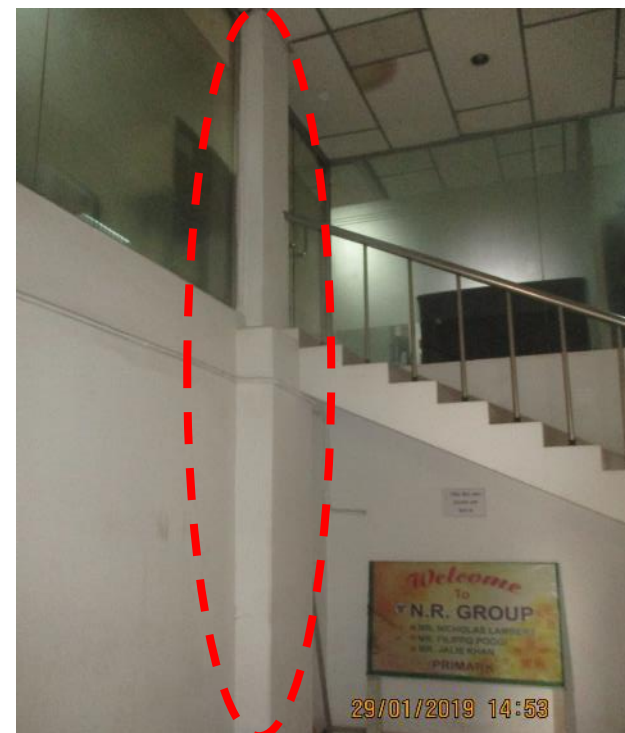


Design Report required to be reviewed by Accord

Observation:



Retrofitting column layout plan



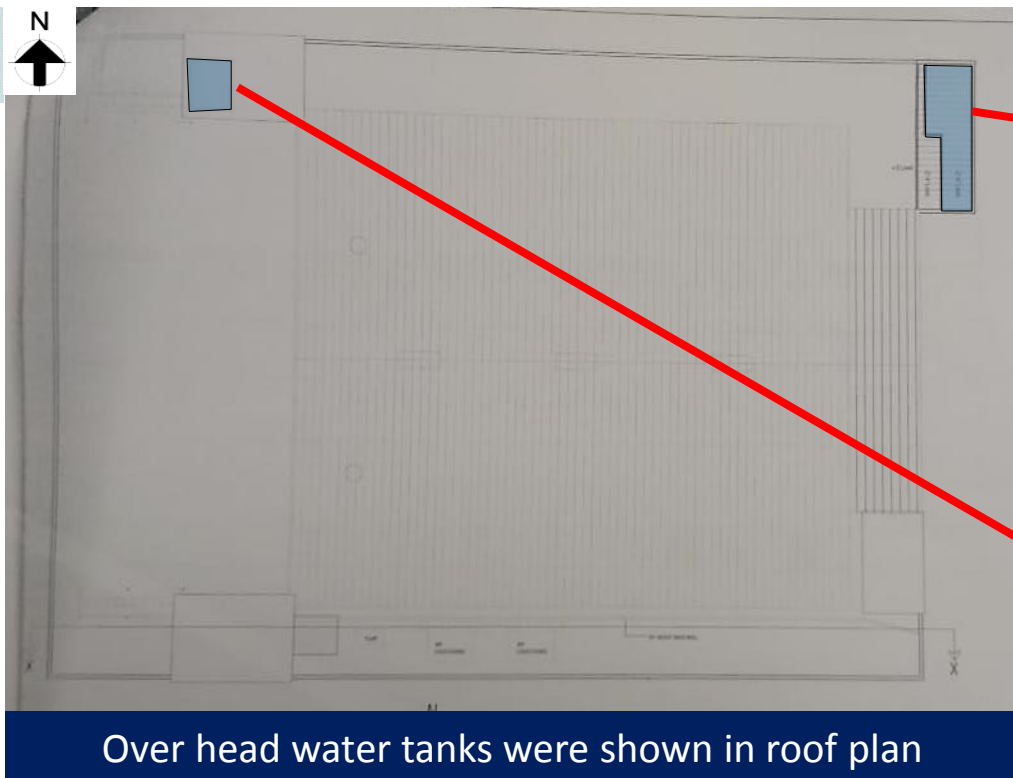
Columns were retrofitted up to bottom slab of mezzanine floor

In the provided retrofitted column layout, the marked columns were shown as retrofitted up to top slab of mezzanine floor. Whereas, the columns were found to be retrofitted till bottom slab of mezzanine floor. Factory is required to submit the design report to ACCORD for review and carry out remedial works coming from detail engineering assessment after reviewing by Accord.

Observation:



Missing information in provided as-built drawing



Over head water tanks were shown in roof plan



RCC water tank on existing roof



RCC water tank on existing stair case

In the provided drawing, no detail was found regarding the over head water tanks. Factory is required to produce the as built drawing addressing the detail of water tanks on roof.

Observation:



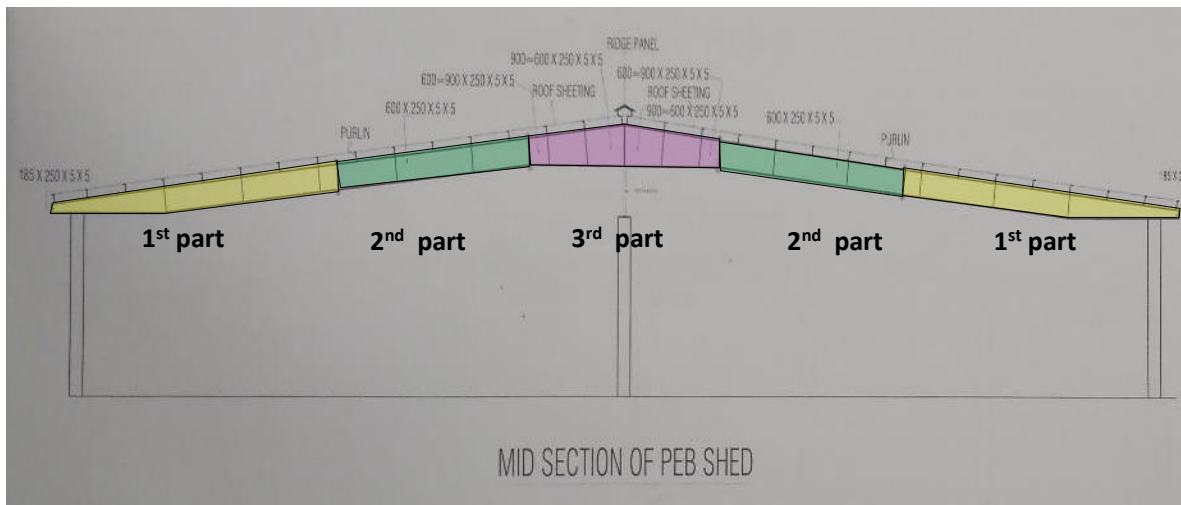
Discrepancies between as-built drawings and on-site observation of roof top shed



Dimension of rafter was found less than provided drawing



Different rafter width was found on site



Typical section of portal frame in as-built drawing

The rafter was divided into three part. The width of 1st part, 2nd part and 3rd part were measured 145mm, 160mm and 200mm respectively whereas the width was mentioned 250mm for three part in drawing. Factory is required to update the drawing and revise the analysis report.



Problems Observed

- 01:** Design Report required to be reviewed by Accord
- 02:** Missing information in provided as-built drawing
- 03:** Discrepancies between as-built drawings and on-site observation of roof top shed



Priority Actions



Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Design Report required to be reviewed by Accord	Design report to be submitted to Accord for review.	6-weeks
2	Design Report required to be reviewed by Accord	Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.	6-weeks
3	Design Report required to be reviewed by Accord	Complete remedial works coming from detail engineering assessment after reviewing by Accord.	6-months
4	Design Report required to be reviewed by Accord	Continue to implement load plan.	6-months
5	Missing information in provided as-built drawing	Factory engineer is required to survey the structural elements properly and produce correct as built drawings.	6-weeks
6	Discrepancies between as-built drawings and on-site observation of roof top shed	Factory engineer is required to survey the structural elements properly and produce correct as built drawings.	6-weeks