

MG Knit Flair Ltd. (9200)

MG Shirtex Ltd. (9594)

31/1, Laxmipura, Chandura, Joydebpur

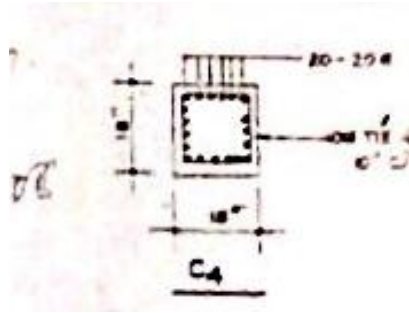
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Identified Priority 1 Concerns

Low Column Safety Factors



Priority 1 Concern



Although, storage levels were very low. Under minimum allowable live loading, column load run-downs yield lower than desirable safety factors.



High Column Stress

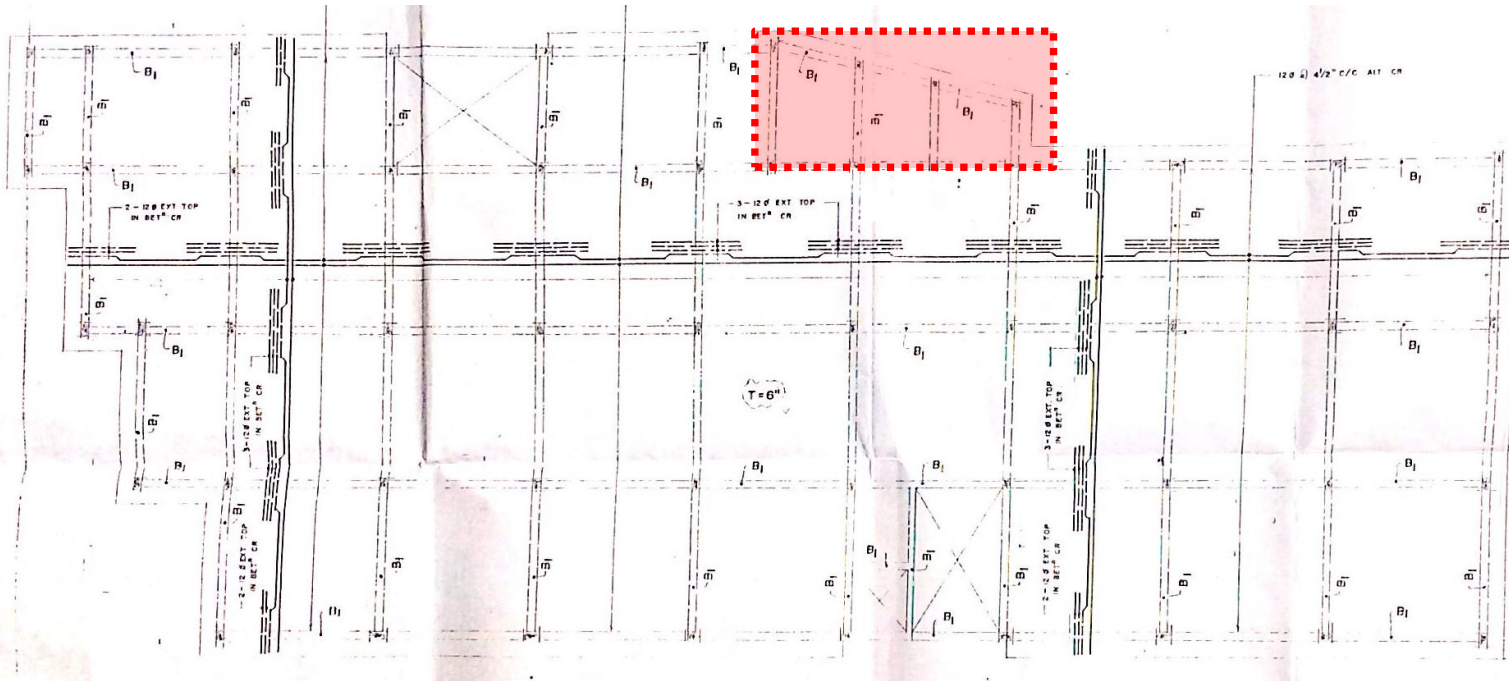
Identified Priority 2 Concerns

Some Beams Not Identified or Detailed in Structural Drawings

Poorly Framed Steel Roofs at Day Care/Dining Hall & Rooftop Prayer Area



Priority 2 Concern



There were several short span beams at each floor that are not identified on the beam layout plan. Additionally no beam reinforcing detail is shown for the size of beam observed in this area.

Un-identified Beams

Priority 2 Concern



The steel roof framing above the Day Care/Dining & Rooftop Prayer areas appears to be poorly constructed and in poor repair.



Poorly Framed Steel Roofs

Identified Priority 3 Concerns

(None)

Priority Actions

Problems Observed Summary

ITEM 1: (Priority 1) Based upon minimum allowable live loads the column load run-down indicates low safety factors (1.25 to 1.5).

ITEM 2: (Priority 2) Several beams present at each typical floor are not identified on the Structural drawings nor are there details shown for these beams.

ITEM 3: (Priority 2) Steel framing above the Day Care/Dining Hall and the Rooftop Prayer area is of poor quality and composed of exceedingly light sections.

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Based upon minimum allowable live loads the column load run-down indicates low safety factors (1.25 to 1.5).	Remove workers and equipment from one factory floor and transfer storage at all floor levels to new storage warehouse as discussed on site. Factory engineer to review design, loads and column stresses.	Immediate – Now
2	Based upon minimum allowable live loads the column load run-down indicates low safety factors (1.25 to 1.5).	Conduct a detailed engineering assessment. Produce and actively manage a loading plan for all floors within the factory giving consideration to slab, beam and column capacity.	6-weeks
3	Based upon minimum allowable live loads the column load run-down indicates low safety factors (1.25 to 1.5).	Carry out any recommendations put forth by the detailed engineering assessment.	6-months
4	Several beams present at each typical floor are not identified on the Structural drawings nor are there details shown for these beams.	As part of Detailed Engineering Assessment, verify adequacy of beams identified as the first priority 2 concern.	6-weeks
5	Several beams present at each typical floor are not identified on the Structural drawings nor are there details shown for these beams.	Carry out any recommendations put forth by the detailed engineering assessment.	6-months
6	Steel framing above the Day Care/Dining Hall and the Rooftop Prayer area is of poor quality and composed of exceedingly light sections.	Verify the adequacy of the steel roof structures identified as the 2nd priority 2 concern	6-weeks
7	Steel framing above the Day Care/Dining Hall and the Rooftop Prayer area is of poor quality and composed of exceedingly light sections.	Either remove the steel roofs or carry out works as recommended by the detailed engineering assessment.	6-months