

Scarlet Knitwears Ltd.

Plot #B-160-163, Bscic Industrial Estate, Fatullah, Narayangonj, Dhaka

(23.62605E, 90.48045N)

26 April 2014



Building Observations

Localised areas of high loading



9th floor storage area



8th Floor - Possible storage space on cantilever



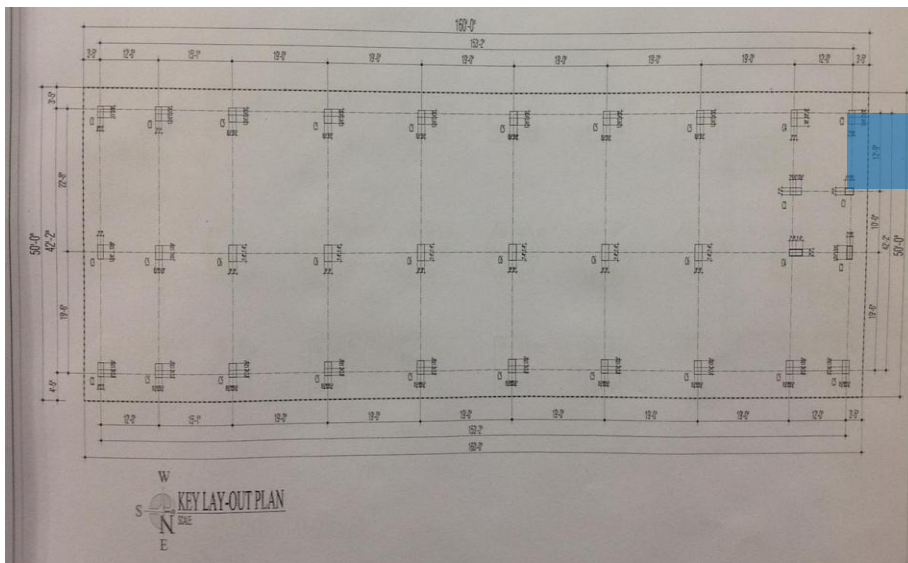
1st Floor Storage Area

**Uncontrolled stacking
of materials.**

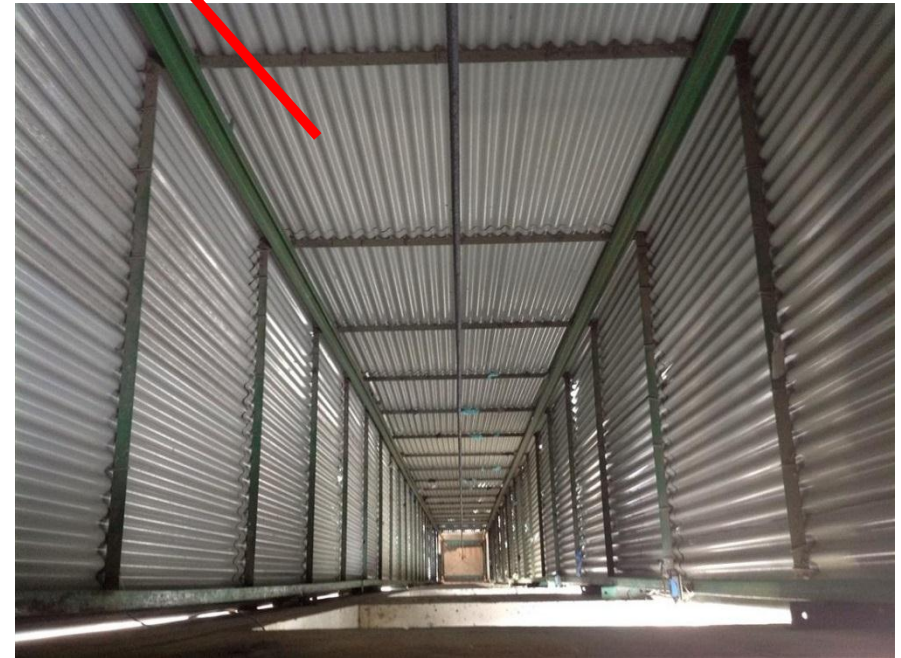
**Areas of high loading on suspended
structure. Floor load management
system incomplete as no loading plans
or loading height limits displayed.**

Localised areas of high loading

External Hoist



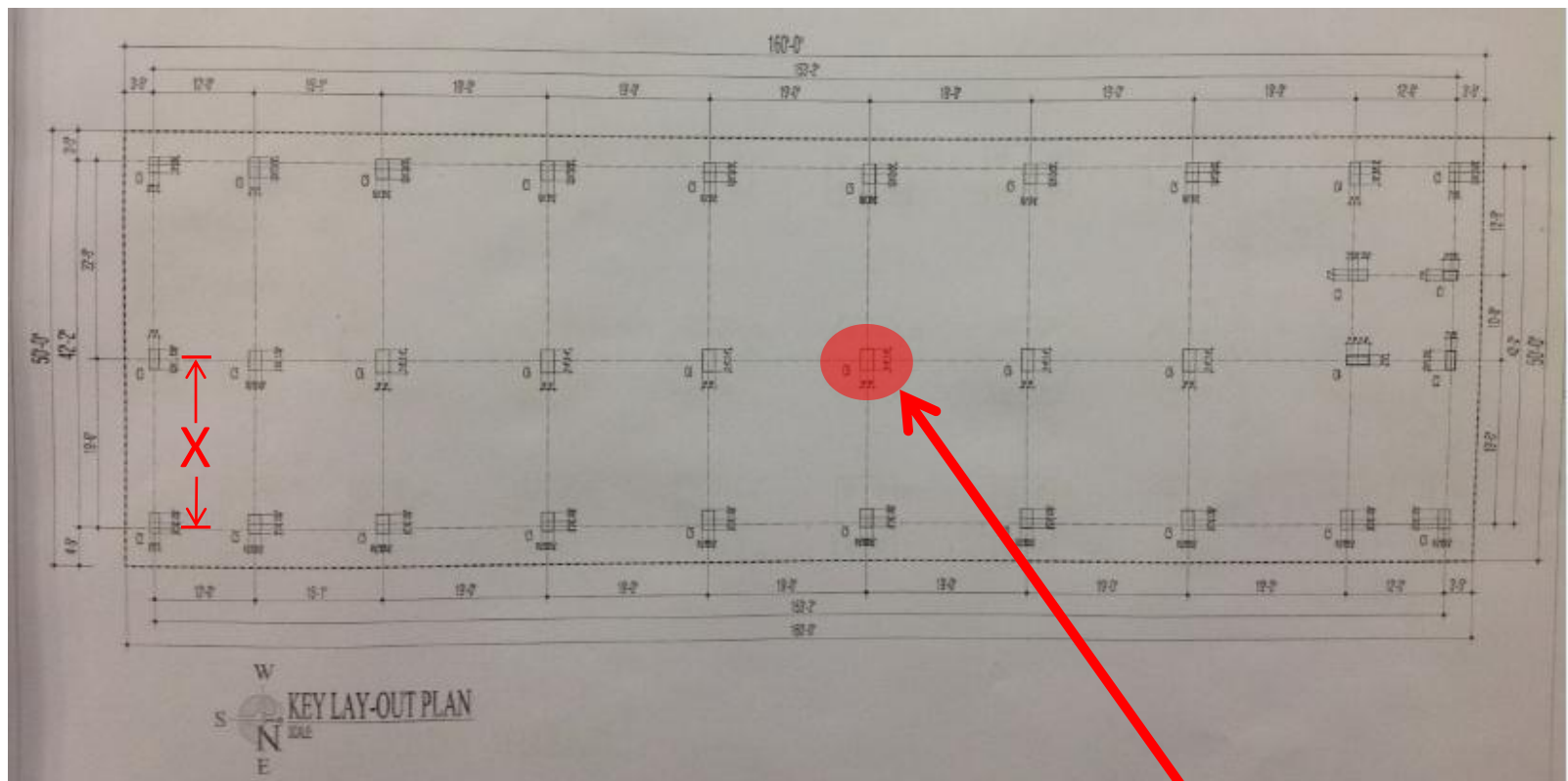
**Lateral stability of
external hoist surround
not apparent. Engineer
to review.**



External hoist

External Hoist

**Structural drawings not consistent with the
as-constructed arrangement of the factory**



Structural Grid

There appeared to be a discrepancy in dimension "X" above.

Ground Floor Internal Column Dimension

Documented size $\approx 406 \times 762$ mm
Actual size $\approx 380 \times 762$ mm

Drawings are not as per the constructed building.

Drawing inconsistencies

Priority Actions

Problems Observed

ITEM 1: Management of storage loads

ITEM 2: Stability of external hoist

ITEM 3: Structural drawings not consistent with the as-constructed arrangement of the factory

Item 1 and actions

Management of storage loads



Priority 1

(Immediate - Now)

- None required

Priority 2

(within 6-weeks)

- None required

Priority 3

(within 6-months)

- Produce and actively manage a loading plan for all floor plates within the factory giving consideration to floor capacity and column capacity.
- Continue to implement load management plan

Item 2 and actions

Stability of external hoist



Priority 1

(Immediate - Now)

- None required

Priority 2

(within 6-weeks)

- None required

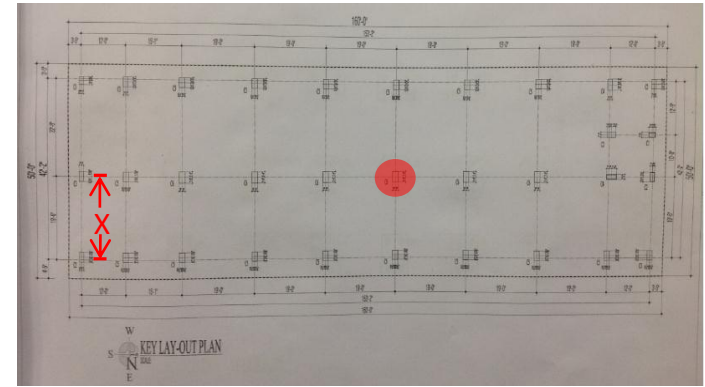
Priority 3

(within 6-months)

- The stability of the surround to the external hoist should be reviewed by the Building Engineer and, if required, upgraded to support code vertical and wind loads or the assembly should be removed.

Item 3 and actions

Structural drawings not consistent with the as-constructed arrangement of the factory



Priority 1

(Immediate - Now)

- None required

Priority 2

(within 6-weeks)

- None required

Priority 3

(within 6-months)

- Building Engineer to verify dimensions noted above and update drawings if required.