

FIRE SAFETY INSPECTION REPORT

Cassiopea Sweaters Ltd.

ACCORD ID: 23579

Borta Para, PO- Pirujali, PS- Joydebpur, Dist-Gazipur, Bangladesh

24.134650, 90.367781

Other Factories: None



Inspected by: Md. Rakibul Alam

Date: 27 January 2019



Fire Safety Inspection Report

Cassiopea Sweaters Ltd.

Summary

Cassiopea Sweaters Ltd. complex was surveyed for fire safety on 27 January 2019 by The Accord Inspection Team.

The purpose of the survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The inspection did not include identification of minor deficiencies, which will be further addressed as part of follow-up inspections.

Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue.

An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the Accord for approval.



Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings and penetrations. Location: 5th floor and ground floor.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 2- hr fire-rated construction. Provide minimum 1.5- hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation. Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1.	Within 3 months





F-2 Fire Rated Construction

Electrical riser and chiller piping penetration is located at exit stair enclosures wall.

Rearrange/reconfigure the electric risers and chiller pipes thus it does not penetrate stair enclosures. Seal all penetrations in wall and floor/ceiling assemblies to maintain the required fire separation.

Within 3 months





F-3 Fire Rated
Construction

Yarn store in 1st floor
does not have fire
rated separation from
other areas.

Egress from production
area passes through
yarn store.

Separate the store room
by a minimum 1-hr fire
rated construction.

Remove exit sign and
reconfigure the egress
arrangement to meet dead
end distance requirements
as per Accord 6.13.3.
(If required)

Within 3
months





F-4	Fire Protection	The fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review.	Design within 1 month Modify within 5 months
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F-5	Fire Protection	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review.	Design within 1 months modify within 5 months
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F-6	Fire Protection	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review.	Design within 1 months modify within 5 months
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F-7	Egress	Fire evacuation maps is posted inside of the stair enclosures instead of the entrance of the exits at all of the floors.	Fire evacuation maps shall be posted at the entrance to each exits and exit stairs.	Within 1 month
F-8	Egress	Dead-end distance exceeds 50ft limit at ground floor storage.	Reconfigure the egress arrangement to reduce the maximum dead-end distance to not more than 15 m (50 ft) in accordance with ACCORD standard 6.13.3.	Within 3 months
F-9	Egress	Electrical panels were located in the exit stair enclosures.	Remove and re-locate all electrical panels from exit stair enclosures.	Within 1 month

