

FIRE SAFETY INSPECTION REPORT

Best Wool Sweaters Ltd. (New Building)

Factory ID: 24644

Jarun, Konabari, Gazipur

24.000523, 90.323412

Other Factories: None



Inspected by: Md. Rakibul Alam & Nainin Nowrose

Date: 26 September 2023



Fire Safety Inspection Report

Best Wool Sweaters Ltd. (New Building)

Introduction

Best Wool Sweaters Ltd. (New Building) complex was surveyed for fire safety on 26 September 2023 by The RSC 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 RSC. 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 RSC for approval.



Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Protection	The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and then approval/acceptance test.	Drawing Within 2 months Install Within 3 months



F-2	Fire Protection	The fire pump set installation requires detailed review to confirm compliance with NFPA 20 and RSC Technical Guidelines (Standard).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and then approval/acceptance test.	Within 2 months
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F-3	Fire Protection	The firefighting system (sprinkler & standpipe) installation requires detailed review to conform compliance with NFPA 13, NFPA 14.	Submit as built drawing, testing records, equipment certification and all relevant documents to the RSC for review, approval and acceptance test.	Drawing Within 2 months Install Within 3 months
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F-4	Fire Protection	Inspection, testing and maintenance of the fire protection system is not in Accordance with NFPA 25.	Inspect, test and maintain the automatic protection system and keep written records on-site, in Accordance with NFPA 25.	Within 6 months
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F-5	Fire Protection	Inspection, testing and maintenance of the automatic fire alarm system is not in Accordance with NFPA 72.	Inspect, test and maintain the automatic fire alarm system and keep written records on-site, in Accordance with NFPA 72.	Within 6 month
F-6	Fire Protection	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in Accordance with NFPA 20.	Within 3 months
F-7	Egress	Elevator shaft is provided in the exit stair enclosures and directly open to exit stair enclosure.	Modify the elevator and stair enclosure arrangement in a way to satisfy RSC standard 6.14.3. Or Separate the elevator by 1.5-hr fire rated opening protection from factory floors and exit stairs. There is a variety of opening protective types i.e., fire rated lift landing doors, fire doors with vestibules, fire rated curtain combination for both heat & smoke control with integration with fire alarm control panel.	Within 3 months





F-8	Egress	Building did not have occupant load sign at required locations.	Provide occupant load sign, stair & floor designation signs at required locations.	Within 1 month
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F-9	Egress Lighting	Directional sign was not provided at the path of egress / in a readily visible location.	Provide lighted directional signs along all paths of travel where a change of direction is not obvious.	Within 1 month
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F-10	Fire Rated	Lift machine rooms not separated from exit stair enclosures.	Separate lift machine rooms by minimum 2-hr fire rated construction.	Within 3 months
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F-11	Fire Rated Construction	Storage/ storage rooms from 6 th floor discharges directly into the exit stair enclosures.	Openings from exit enclosure to storage room, generator, basements, transformer boiler and similar normally unoccupied spaces shall be provided with a vestibule with fire rated construction and openings as per RSC Technical Guidelines (Standard) 6.14.3. Provide a 1.5 hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storeroom/storage side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
F-12	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months



F-13	Fire Rated Construction	Unsealed opening is located in the fire-rated floor/ceiling assemblies.	Provide a minimum 2-hr fire-rated shaft to separate the opening from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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F-14	Fire Rated Construction	Dyeing section on 1st Floor is not separated by a minimum 2-hr fire rated construction.	Provide dyeing section separated by minimum 2-hr fire-rated construction.	Within 3 months
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F-15	Fire Rated Construction	Dining is located at 6th Floor and prayer at 3rd floor where dining and prayer surrounded by other occupancies.	Remove the dining and prayer from the building as assembly occupancy (I) is not permitted with garments (G2) and storage (H2) occupancies as per BNBC 2020, table-3.2.1. Factory could provide dining and prayer facilities in a dedicated dining building (if required).	Within 3 months
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