

INITIAL FIRE SAFETY INSPECTION REPORT

Bea-Con Knit Wear Limited (Factory-2) (Extension)

RSC ID: 24582

ADDRESS: South Salna, Salna Bazar, Gazipur

Other Factories: Bea-Con Knit Wear Limited (Factory-2)(12050)



Inspected By: Md. Anisuzzaman

Date: 03rd -December- 2023

Fire Safety Inspection Report

Bea-Con Knit Wear Limited (Factory-2) (Extension)

Introduction:

Bea-Con Knit Wear Limited (Factory-2) (Extension); complex was surveyed for fire safety on **03/12/2023** 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.

Limitations

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The RSC cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.

General Factory Information

Factory Building name(s):

There is one structure under this ID-24582 which are listed below:

1. 3-Storied Utility building , RCC Structure(Construction: Mar-2018 to Aug-2019 & Occupied: Oct-2019,total area=926 SQM, Design approved by Gazipur City Corporation/ April 2013, Interim construction)

Factory Address: South Salna, Salna Bazar

Points of contact:

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Findings & Recommendations :

Table 1- summarizes the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline.


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: Finding & recommendation for 3- Storied Utility building.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Mean of Egress	<p>The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction due to non-functional fire doors & penetrations.</p> <p>Location: 3 storied Utility building</p>	<p>The exit stair enclosure shall be provided with a minimum of 1- hr. fire resistance rating with 60 minutes opening protection.</p> <p>The clearance under the bottom of a fire door shall be a maximum of 19mm.</p> <p>Ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.</p>	Within 3 months



F-2	Emergency 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 provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.	Within 1 month
F-3	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month

F-4	Fire Alarm & Detection System (FADS)	Addressable fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standard.	<p>Submit design, documents and calculations to RSC for review prior and based on the review modify the system if there is any.</p> <p>After installation the owner shall contact the RSC for witness of conducting the final acceptance testing of the fire detection & alarm system installation.</p> <p>Also inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.</p>	Design Review within 1 month and modification within 3 months. (If required).
 <p>The middle row contains three photographs. The first shows a grey fire alarm control panel with a digital display and various buttons, mounted on a wall. The second shows a red fire door with a 'FIRE DOOR' sign above it, set in a hallway. The third shows a white fire alarm detector mounted on a ceiling, with a red circular mark next to it.</p>				
F-5	Fire alarm & Detection System (ITM of FADS)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per RSC standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 (Table-14.3.1) or as per RSC standard.	Within 1 Month after installation.

F-6	Fire Protection System(Standpipe)	Standpipe system installation requires detailed review to confirm compliance with NFPA- 14 , 20 ,22 & 24 or as per RSC standard.	<p>Submit the standpipe system drawing to RSC for review.</p> <p>Once the design is reviewed, install and modify the standpipe system throughout the building in accordance with review comment, RSC Standard and NFPA 14,20,22 and 24.</p> <p>After installation the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.</p>	Design Review within 1 month and modification within 3 months (If required).
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F-7	ITM of Protection System(SUPS)	Inspection, testing, and maintenance for the Fire pump, Standpipe system is not in accordance with NFPA 25 or as per RSC standard.	Inspect, test and maintain the standpipe system, fire pump and keep written records on-site, in accordance with NFPA 25 or as per RSC standard.	Within 1 Month after installation.
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F-8	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system is not in accordance with NFPA 10 or as per RSC standard.	Inspect, test and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per RSC standard.	Within 1 Month after installation.
F-9	Emergency Lighting (ITM of Emergency Lighting)	Inspection, testing and maintenance for the emergency lighting system was not in accordance with The RSC standard.	Inspect, test and maintain the emergency lighting system in the accordance with The RSC standard. Keep written records on-site.	Within 1 month