

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Standard Stitches Ltd.(Woven Unit) (Extended Building)

Factory ID: 24152

ADDRESS: Baimail, Konabari, Gazipur Sadar, Gazipur 1700

Google Co-ordinator: 24.008145,90.330509

Other Factories: N/A



Inspected By: A N Faisal Ahmed & Shahina Imam

Date: 09 February 2021

Fire Safety Inspection Report

Factory Name: Standard Stitches Ltd.(Woven Unit) (Extended Building)

Introduction:

Standard Stitches Ltd.(Woven Unit) (Extended Building) complex was surveyed for fire safety on **09/02/2021** 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

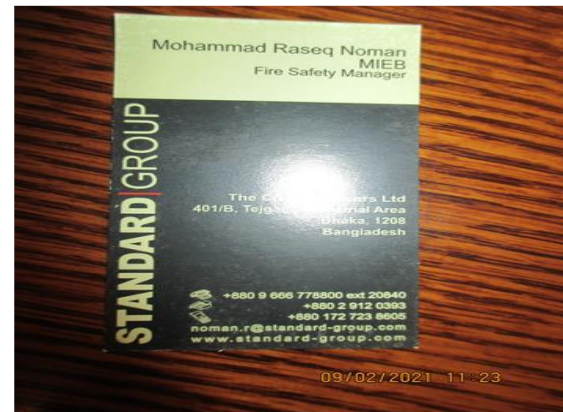
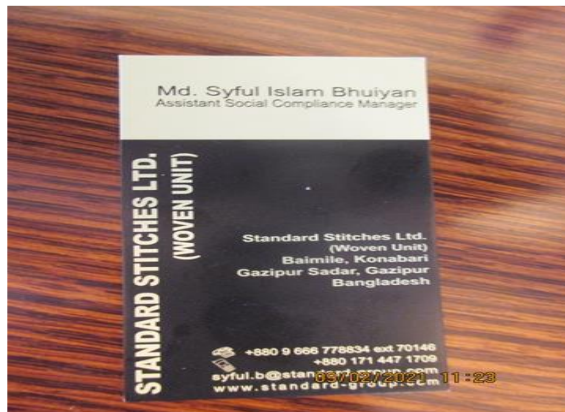
Factory Building name(s): Standard Stitches Ltd.(Woven Unit) (Extended Building)

Factory Address: Baimail, Konabari, Gazipur Sadar, Gazipur 1700

Points of contact:

1. Name: Md. Syful Islam Bhuiyan
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2. Name: Engr. Raseq Noman
Designation: Fire Safety Manager
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Findings & Recommendations :

Table 1 summarizes the major fire safety issues (Main building and Sub-station building) 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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire-Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction. Location: North Stair And South Stair of the Building.	Stair shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and provide minimum 1.5 -hr. fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, 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. Seal all penetration by fire rated materials.	Within 3 months



2	Fire-Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. Location: 5th Floor & 8th Floor	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1-hour construction.	Within 3 months
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3	Fire-Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed due to BBT riser.. Location: Production Floor North side.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling: minimum 3 hr.) assemblies by third-party certified fire rated materials to maintain the fire resistance rating. or Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
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4	Fire-Rated Construction	The North stair of this building is not having a fire separation from the building beyond 10 feet of its span as required as per clause 6.3.1.3 of Accord Standard	Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft, to provide a minimum 2-hr fire separation. Or Seal the opening on stair to provide 2-hr fire separation.	Within 3 months
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5	Fire Rated Construction	Elevator shaft is located inside the production floor and is not separated by proper fire rated construction.	Provide a minimum 2-hr fire rated elevator shaft to separate it from each floor. Seal and/or protect all openings to maintain fire separations	Within 3 months
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6	Fire-Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed due to sewerage line. Location: Pump Room. (Basement of another Building, ACCORD ID: 11695)	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling: minimum 3 hr.) assemblies by third-party certified fire rated materials to maintain the fire resistance rating.	Within 3 months
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7	Egress	Width of aisles is less than 0.9m (36-in.) and aisles mark is not provided at Location: Level-4, Level-3	Provide aisles mark on required all locations & Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 3 months
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8	Egress	During the inspection, it was observed egress aisles were obstructed by combustible storages.	All the aisles shall be free from any kind of obstruction.	Immediately
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9	Egress	Each exit stairs serve more than 5 stories and do not have required re-entry provisions.	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
10	Egress	Fire evacuation maps is not posted at the entrance of exit stair.	Proper fire evacuation maps shall be posted at the entrance to each exit stair.	Within 3 months

11	Egress	Building did not have occupant load signs at required locations.	Post the occupant for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Within 1 month
12	Egress Lighting	Directional signs are inadequate 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 3 months



13	Egress	Storage was observed inside exit stair enclosure	Remove all storage from exit stair enclosures.	Immediately
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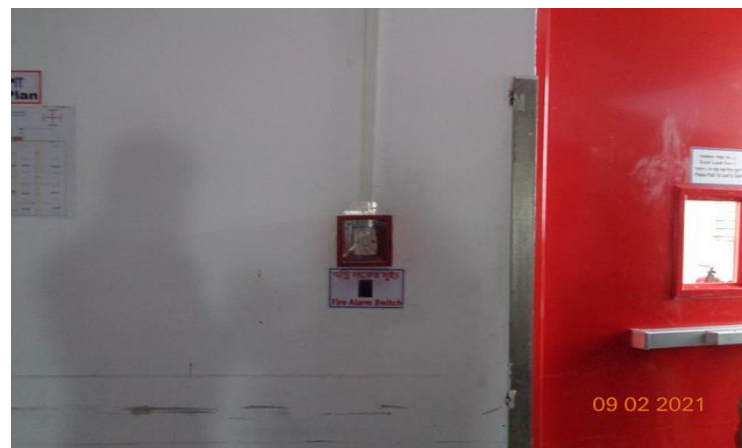


14	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Several floors	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along 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. The means of egress shall be illuminated at all times the building is occupied.	Within 3 months
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15	Egress Lighting	Manual on-off switch is provided for [emergency lighting / exit signage] units.	Remove manual on/off switches from [emergency lighting /exit signage] units to prevent them from being switched off	Within 3 months
 				
16	Egress Lightning	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 2 months

17	Fire Protection	The building is equipped conventional fire alarm system which only initiate a local alarm and installation of automatic fire alarm system is going on.	Provide automatic smoke detection & fire alarm system throughout the building in accordance with NFPA 72. Submit proposed drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval	Design within 2 months and installation/modification with 6 months
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18	Fire-protection	The existing high-rise building with an occupiable floor greater than 23 m (75 ft) above the finished grade & sprinkler system is required. Fire pump & sprinkler system installation requires detailed review to confirm compliance with NFPA,13 20,22,24 and ACCORD standards..	Provide an automatic sprinkler protection throughout the building in accordance with NFPA 13,14,20,22,24 & Accord standard .Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval	Design within 2 months and installation/modification within 6 months
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19	Fire-protection	Inspection, testing and maintenance for the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with NFPA 72 and ACCORD standards.	Within 1 month (after installation)
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20	Fire Protection	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 25.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards.	Within 1 month (after installation)
21	Fire Protection	Inspection, testing and maintenance of the automatic sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain the automatic sprinkler system and keep written records on- site, in accordance with NFPA 25 and ACCORD standards.	Within 1 month (after installation)

22	Fire Protection	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and ACCORD standards.	Within 2 months
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