

FIRE SAFETY INSPECTION REPORT

Factory Name: Colors & Stitches Limited

ACCORD ID: 23721

**JL no 6,Dogri,Mirzapur,Gazipur Sadar,Gazipur
24.093062, 90.353824**

Other Factories: None



Inspected By: Md. Hasibur Rahman Abir & Md. Zahidul Islam

Date: 30 July, 2019.

Fire Safety Inspection Report

Factory Name: Colors & Stitches Ltd.

Introduction:

Colors & Stitches Limited. complex was surveyed for fire safety on **30/07/2019** 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.

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 Accord 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.

Findings & Recommendations :

Table-01:

Table 1 summarizes the major fire safety issues identified during the inspection of main building. 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.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Structural Fire Protection	The building is constructed by steel, all the structural elements of the building found exposed without any fire protection which is defined as non-rated construction and violation of BNBC-2006	Construction must be of type 1 or type 2 (See BNBC 2006 Part 3 Section 3.2.4, page 10356). For type 2 construction, the maximum permissible height of the building shall be 4 storeys or 14 meters. (See BNBC 2006 Part 3, Table 3.1.9, page 10319). Provide/ensure required fire rating on the structural elements by following Section 4.4 and Table 4.4.1 of the Accord Standard or Table 3.3.1 and Table 4.1.1 from BNBC. Consult a qualified fire protection engineer to design the rated construction barriers.	within 6 months



F-02	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction. Unsealed opening and penetrations was observed and door co-ordinators were not properly functional.	Provide minimum 2-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire rated 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 If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	Within 3 months
				

F-03	Fire Rated Construction	Exit stair discharges the occupants inside the building. Location: Stair-01	1. Modify stair to discharge directly outside. Or 2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Or Provide sprinkler as per NFPA 13 and ensure all the conditions described in Accord building standard 6.17.3.	within 3 months
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F-04	Fire Rated Construction	Areas used for in-process storage of combustible materials are observed in an unplanned manner throughout the building.	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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F-05	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas. The fire doors were observed open but interfacing with the fire alarm system was not functional. Location: Ground Floor	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
				

F-06	Egress	Egress doors/gates with locking features not complying with NFPA101 are provided at [building exits, exit stairs, along egress routes, exit discharge]	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.	Immediate
				

F-07	Egress	Fire evacuation maps is not posted at the entrance of all exit stair.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 3 months
F-08	Egress	A single means of egress is provided from [second floor] where the occupant load and travel distance is exceeded. Location: From 2nd floor_Office area	Ground or basement story is allowed a maximum of 50 occupants and 23 m (75ft) travel distance. The second story is allowed a maximum of 30 occupants and 23 m (75ft) travel distance. All other stories require a minimum of 2 egress exits. Specify appropriate upgrade based on conditions: - Reduce occupant load to not more than (50 / 30) persons. - Provide additional means of egress.	Within 3 months

F-09	Egress	Storage was located in the exit stair. Location: Stair-01	Remove all storage from the exit stairs and keep the means of egress free from storage & obstruction.	Immediately
F-10	Egress	Intermediate handrails are not provided for stair-03.	Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.).	Within 2 months
F-11	Egress	No smoking sign did not provided in the shed area and several floors of the building.	No smoking signs shall be posted in Bengali and English at all building entrances. If the Owner creates a designated smoking area outside the buildings, information on the location of these designated areas shall be posted on the No Smoking signs.	Within 1 month

F-12	Fire Detection & Alarm System	The factory has installed an addressable fire alarm & detection system which is required to be reviewed and verified	Submit the as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification (if required) shall have to do as per the reviewed design and NFPA-72. & Upon approval & modification (if required) the owner shall verify the system by ACCORD for final acceptance.	Design within 2 month, installation/ modification within 4 months after drawing review
F-13	Fire Protection System	The factory has installed a class-III standpipe system which is required to be reviewed and verified.	Submit the as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification (if required) shall have to done as per the reviewed design and NFPA-13, 14, 20, 22 and 24. & Upon approval & modification (if required) the owner shall verify the system by ACCORD for final acceptance.	Design within 2 months, Install within 4 months

F-14	Emergency 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 3 months
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F-15	Emergency 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
				
F-16	Fire Pump ITM	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 and ACCORD standards.	Within 3 months