

INITIAL FIRE SAFETY INSPECTION REPORT

Aman Graphics & Designs Ltd. (Extension)

RSC ID: 24595

Nazimnagar, Hemayetpur, Savar, Dhaka

Other Factories: Aman Graphics & Designs Ltd. (ID- 10089)



Inspected By: Pantha Pallob Das & Nainin Nowrose

Date: 16 July 2023

Fire Safety Inspection Report

Aman Graphics & Designs Ltd. (Extension)

Introduction:

Aman Graphics & Designs Ltd. (Extension) complex was surveyed for fire safety on 16/07/2023 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): 3 Sheds are under this ID. Shed-4 (33280 sft), Shed-5 (20400 sft), Shed-6 (14000 sft) and single storied RCC substation (300 sft approximately).

Factory Address: Nazimnagar, Hemayetpur, Savar, Dhaka.

Points of contact:

Md. Jakir Hossain
DGM (Admin & Compliance)
01730328614
jakir@amanknittings.com

Tofazzal Hossain Raju
Sr. Manager (Maintenance)
01730328634
maintenance@amanknittings.com

Findings & Recommendations :

Table 1 summarizes the major fire safety issues (1-17) 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 review.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	The main structural elements of the buildings are constructed by steel which is non-rated and were found in exposed condition without any fire protection. (Interim Structure). Location: Shed-4, 5 & 6.	The buildings are interim steel structure which shall be type-I or II construction. So, provide require rating in the structural elements of the buildings following table 3.2.4, 3.1.9 and 3.3.1 of BNBC-2006.	Within 6 months



F-2	Fire Rated Construction	Room used for combustible storage are not separated by fire rated construction. Location: Shed-5 & 6.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
				
F-3	Fire Rated Construction	Areas used for combustible storage open to the factory are not separated by fire rated construction. Location: Shed-4	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²). - If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (1,000 ft²). Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).	Within 3 months



F-4	Means of Egress	Aisles were blocked by sewing machine, cartons & other storages and aisles marking was missing in some areas. Location: Shed-4.	Aisles shall be free and unobstructed and provided with a minimum clear-width of 0.9 m (36 in.).	Immediately

F-5	Means of Egress	Common path of egress travel exceeds 23m (75ft). Location: Dining area, Shed-5.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 23m (75ft) or 30 m (100 ft) when complete sprinkler protection is provided.	Within 3 months
F-6	Means of Egress	Headroom on main exits were found less than 6 ft 8 inch. Location: Shed-4 & 5.	Headroom on means of egress shall not be less than 6 ft 8 inch.	Within 1 month
				

F-7	Means of Egress	Egress path was found obstructed by storage. Location: shed- 4 & 5.	Keep egress paths clear and unobstructed.	Immediately
				
F-8	Means of Egress	Sliding doors are provided at building exits. Location: Shed-4 & 5.	Replace all collapsible and sliding doors along the means of egress with side-hinged, swinging egress doors.	Within 1 month



F-9	Means of Egress	Egress gates with non-complaint locking features are provided at building exits. Location: Shed-4, 5 & 6.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediately
-----	-----------------	--	--	-------------



F-10	Means of Egress	Building did not have occupant load signs at the required locations. Location: Shed-4, 5 & 6.	Provide occupant load signs at the required locations.	Within 1 month
F-11	Means of Egress	Fire evacuation maps were not updated in some areas. Location: Shed-4, 5 & 6.	Updated fire evacuation maps shall be posted at the entrance to each exit.	Within 1 month
				

F-12	Egress Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Shed-4, 5 & 6.	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-13	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Shed-4, 5 & 6.	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-14	ITM of Egress Lighting	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with RSC Technical Guidelines (Standard). Keep written records on-site.	Within 1 month
f-15	ITM of Fire-Protection System (Extinguisher)	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10 and RSC Technical Guidelines (Standard).	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and RSC Technical Guidelines (Standard)..	Within 1 month

F-16	Fire Alarm and Detection System (FADS)	The fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and RSC technical guidelines (standard). Location: Shed-4, 5 & 6.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. Once reviewed, install or modify the fire detection and alarm system (where required) throughout the building in accordance with RSC technical guidelines (standard and NFPA 72. The factory management shall contact RSC to conduct the final acceptance testing after the installation, testing & commissioning.	Design- within 1 Month Modification if required- within 3 Months
------	--	---	---	--






F-17	ITM of Fire Alarm and Detection System (FADS)	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.	1 Month after installation.
------	---	---	--	-----------------------------