

# FIRE SAFETY INSPECTION REPORT

**Sharaf Apparels Ltd**

**ACCORD ID: 23228**

**Narashingapur, Ashulia, Savar, Dhaka (23.930903, 90.304409)**

**Other Factories: Sharaf Washing & Dyeing industries Ltd.**



**Inspected By: Rafat Arefin & A N Faisal Ahmed**

**Date: 03 June, 2018**

## Fire Safety Inspection Report

Factory Name: Sharaf Apparels Ltd

### Introduction:

Sharaf Apparels Ltd was surveyed for fire safety on 03 June, 2018 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.



## General Factory Information

**Factory Building name(s):** 1. 6 storey pre-fabricated steel building (Main Production Building)  
2. Single storey pre-fabricated shed (Dinning)

**Factory Address:** Narashingapur, Ashulia, Savar, Dhaka

### Points of contact:

<p>Md. Amzad Hussain General Manager (Compliance &amp; Fire Safety) Sharmin Group Contact No: +88 01713 274907 Email: amzad@sharmingroup.com</p>	<p>Hasan Uz Zaman General Manager (HR &amp; Admin) Sharmin Group Contact No: +88 01701 203650 Email: hasanuzzaman@sharmingroup.com</p>
	



## Findings & Recommendations :

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 Accord for approval.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy (Location: Production Building)	Provide defined storage areas and limit the storage arrangement as follows:- 1. General Condition: Maximum height of 2.4m and maximum area of 23m <sup>2</sup> . 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 93m <sup>2</sup> . 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





F-2	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.	Stairs 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.	Within 3 months
-----	-------------------------	---	---	-----------------





F-3	Fire Rated Construction	<p>Penetrations through floor/ceiling assemblies are found unsealed.</p> <p><b>Location:</b> Electrical riser</p>	<p>Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating.</p> <p>Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.</p>	Within 3 months
-----	-------------------------	---	--	-----------------





F-4	Egress	Stair designation, occupant load signage , evacuation map are not posted properly.	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations in both English and Bengali language. Post the occupant load & evacuation map 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
F-5	Fire Alarm System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards	Submit drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification shall have to done as per the reviewed design (if required)	Design within 2 month; Modification of the system (if required) within 6 months





F-6	Fire Protection System	Sprinkler system installation requires detailed review to confirm compliance with NFPA 13, NFPA 20 and ACCORD standards	Submit drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval, modification shall have to done as per the reviewed design (if required)	Design within 2 month; Modification of the system (if required) within 6 months
-----	------------------------	---	--	---



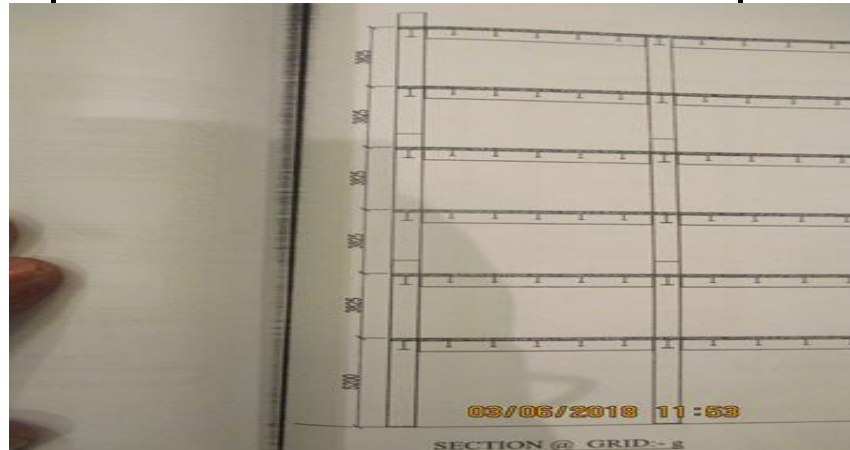
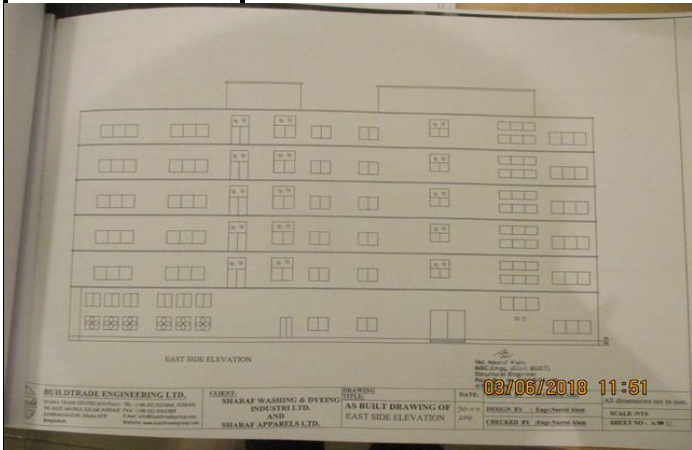
F-7	Fire Protection System (Fire Pump)	Fire pump tag & documents are manipulated. (Both Electric & Diesel pump has same serial number with UL listing tag shows horizontal split case pump, whereas pump is end suction pump)	Install 3rd party certified listed fire pump as per NFPA 20.	With in 6 months.
-----	------------------------------------	--	--	-------------------





F-8	Fire Protection System	Inspection, testing and maintenance of the sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain the sprinkler system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards.	Within 3 months
F-9	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 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 3 months



F-10	Fire Rated Construction	Existing factory is high rise building with non rated construction.	<p>Provide fire-resistive rated construction barriers between floors 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 part 4, Consult a qualified fire protection engineer to design the rated construction barriers.</p> <p style="text-align: center;">Or</p> <p>Demolish the top floor to maintain non high rise building.</p>	Within 3 months
------	-------------------------	---	--	-----------------



F-11	Egress	The exit discharge path is less than 10 ft wide and is not separated from the building interior.	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 1-hr fire separation.	Within 3 months
				
F-12	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months

