

FIRE SAFETY INSPECTION REPORT

Factory Name: Renaissance Apparels Ltd. (New Building)

ACCORD ID: 12591

ADDRESS: Renaissance Apparels Ltd., C-S Plot # 659 & 660, Mouza 93, Gazipur

Other Factories: None



Inspected By: Md. Mah mudur Rahman & Mahfuza Khanom

Date: 30 November, 2016

Fire Safety Inspection Report

Factory Name: Renaissance Apparels Ltd. (New Building)

Introduction:

Renaissance Apparels Ltd. (New Building) complex was surveyed for fire safety on 30/11/2016 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): Renaissance Apparels Ltd. (New Building)

Factory Address: Renaissance Apparels Ltd. C-S Plot # 659 & 660, Mouza 93, Gazipur

Points of contact:



Md. Zakir Hossain Bhuiyan
Manager, HR, Admin & Compliance
+8801716435868
zakir.hossain@renaissance.com.bd

Md. Abu Hamza
Senior Officer, HR & Admin
+8801716854248
abu.hamza@renaissance.com.bd



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.

Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Fire rated construction	The exit stairs has been enclosed by fire rated wall and door except ground floor . Fire doors were found open by external device during inspection.	<p>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.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p> <p>And The factory have to provide Certificate/Listing documents of existing fire doors to Accord for review.</p>	Within 3 months	 



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
--------	----------	----------	-----------------	------------------------	--------------------

2 Fire rated construction

Unsealed penetrations and openings are located in exit stair enclosures.

Seal all penetrations and openings in the wall of exit enclosure walls (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.

Within 3 months



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
--------	----------	----------	-----------------	------------------------	--------------------

3 Fire rated construction

The boiler, generator, sub-station and compressor room is not separated by fire-rated construction (openings, non-rated doors, penetrations) and proper certification was not available for fire rated doors installed in the boiler, generator and compressor room.

Moreover Electrical panels have been installed in the corridor (between Dining & Utility) without separation

Location: Ground Floor

Separate the boiler, generator, transformer and compressor room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations. and Submit proper certifications for installed fire doors to ACCORD for approval.

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



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
--------	----------	----------	-----------------	------------------------	--------------------

4

Fire rated construction

Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas.


Location: Ground floor & 3rd floor


Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.

Within 3 months



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
--------	----------	----------	-----------------	------------------------	--------------------

5	Fire rated construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy.	<p>Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 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. <p>or</p> <ol style="list-style-type: none"> 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction. 	Within 3 months	
---	-------------------------	---	---	-----------------	---

6	Egress	Storage was located in the exit stair.	Remove all storage from exit stairs.	Immediate	
---	--------	--	--------------------------------------	-----------	--



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
--------	----------	----------	-----------------	------------------------	--------------------


7 Egress The width of egress aisles is less than 36-in. Provide minimum aisle widths of 36-in. Within 3 months

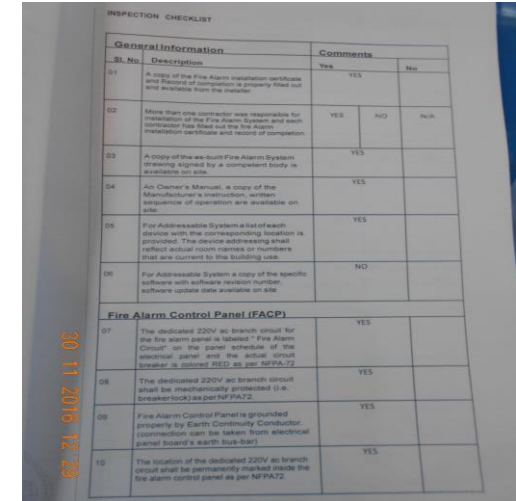


8 Egress Open sides of means of egress that exceed 760 mm (30 in.) above the floor or finished ground below but not provided with guard rail. Provide guards/rails having a minimum height of 760 mm (30 in.). Within 1 month



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
--------	----------	----------	-----------------	------------------------	--------------------

9	Fire Alarm & Detection System	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months	
---	-------------------------------	--	--	---	---

10	Fire Alarm & Detection System	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.	Within 3 months	
----	-------------------------------	---	---	-----------------	--



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
--------	----------	----------	-----------------	------------------------	--------------------

11	Water Based Fire Protection system	The existing building has an occupied floor greater than 20m (33 ft.) and is not provided with standpipe system protection.	Provide standpipe system protection throughout the building in accordance with NFPA 14 and ACCORD standards.	Within 3 months	
----	------------------------------------	---	--	-----------------	--



12	Egress	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	Immediate	
----	--------	--	--	-----------	--



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
--------	----------	----------	-----------------	------------------------	--------------------

13	Fire Protection System	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.	Within 1 month	
----	------------------------	---	--	----------------	--

