

FIRE SAFETY INSPECTION REPORT

Factory Name: Powertex Fashions Limited (Relocation)

ACCORD ID: 23541

ADDRESS: Dr. Panjabali - Dr. Assaduzaman Industrial Park, Kathora, National University, Gazipur-1704
(23.94 82 28, 90.36 36 20)

Other Factories: None



Inspected By: Md. Mah mudur Rahman

Date: 06 January 2019

Fire Safety Inspection Report

Factory Name: Powertex Fashions Limited (Relocation)

Introduction:

Powertex Fashions Limited (Relocation) complex was surveyed for fire safety on 06/01/2019 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.



General Factory Information

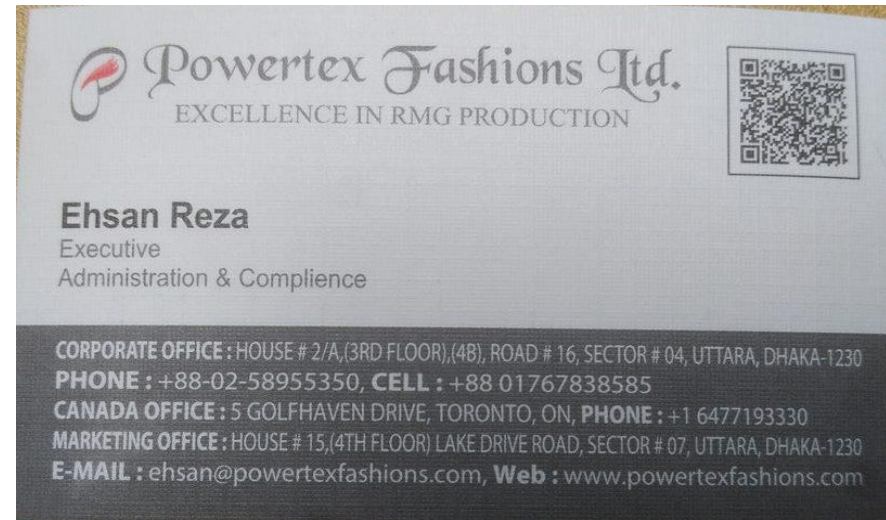
Factory Building name(s): Powertex Fashions Limited (Relocation)

Factory Address: Powertex Fashions Limited (Relocation)

Points of contact:

Name: Md.Shahin Ur Rahman
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Findings & Recommendations :

The following "Table" 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	Pictorial Evidence
1	Fire Rated Construction	Generator and air compressors are located in same room with out fire separation. Location: Generator Room	Generator and compressor room shall be separated from each other other by a minimum 2-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 1.5-hr fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location.	Within 03 Months	



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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2 Fire Rated Construction

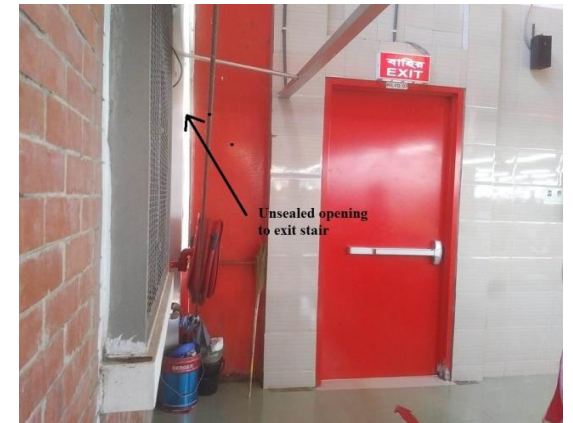
The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction. Fire doors have kept open by external objects/rope. Also unsealed penetrations have observed to exit enclosure.

Location: All exit stair

Stair shall be enclosed with a minimum X-hr. fire-rated construction. Seal all unprotected openings and provide minimum X-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.

Within 03 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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3 Fire Rated Construction

Areas used for in-process storage of combustible materials are open to the surrounding.

Location: Ground & 1st Floor, 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 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 03 Months



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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4 Fire Rated Construction

Electric boilers having a capacity of 80 Kg/Hr. and 60 Kg/Hr. are not been separated from production floor.

Location: 1st floor, West side

Boilers or other heat producing equipment shall be separated from other occupancies by a minimum 1-hr fire rated construction (wall, floor, slab etc.). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location.

Within 03 Months



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

Storage was located in the exit stairs

Remove all storage from exit stairs.

Immediate



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

The egress path along means of egress has interrupted by obstruction/storage. Also in many cases dedicated aisles have not been provided.

Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).

Within 01 Month



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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7	Egress	The egress path along means of egress has interrupted by obstruction/storage.	Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Keep egress paths and stairs clear of storage.	Immediate	
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8	Egress	Evacuation map has not been provided in all required places	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 01 Month	
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SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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9 Egress

Handrails are not provided in the exit stair.

Provide handrails on both side of exit stair having a minimum height 34 in.

Within 01 Month



SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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10 Fire Alarm & Detection System


The existing fire alarm system is not a listed system and does not provide automatic alarm and notification features consisted with acceptable standards.


Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.

Design Within 02 Months and Installation within 06 Months



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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11	Fire Alarm & Detection System	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 03 Months (After complete installation)	
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12	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 01 Month	
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SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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13	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 01 Month	
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14	Egress Lighting	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 01 Month	
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SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
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15	Egress Lighting	Exit signage not illuminated during testing (burned out, broken, etc.).	Regularly inspect all exit signage as per Accord standard and replace/install lights as needed to illuminate signs.	Immediate	
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