

FIRE SAFETY INSPECTION REPORT

The Cloth & Fashion Ltd

ACCORD ID: 10539

Rajaghat, Rajfulbaria, Savar, Dhaka-1340, Bangladesh

Other Factories: None



Inspected By: Shabbir Hossain, Pantha Pallob Das

Date: 25 April, 2016

Fire Safety Inspection Report

Factory Name: The Cloth & Fashion Ltd

Summary

The Cloth & Fashion Ltd. complex was surveyed for fire safety on 25 April, 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. 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.



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.



Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Fire Rated Construction	Generator, transformer, LT/HT panel and fire alarm control panel are not separated from each other by proper fire rated construction (non rated doors, unsealed penetrations and openings etc.).	Separate the generator, transformer, LT/HT panel and fire alarm control panel room from each other by a minimum 2-hr fire rated construction. Provide minimum 1.5 hour fire rated door in between generator and LT/HT panel room if required. Seal and/or protect all penetrations and openings to maintain the required fire separations.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
2	Fire Rated Construction	Liquefied or compressed gas cylinders were located in front of utility building (east side of boiler room) near means of egress without any protection.	The storage or use of liquefied or compressed flammable gas cylinders shall be prohibited within the factory building. In the case of storage those shall be protected with at least 2 hour fire rated construction barrier with compliant and sufficient ventilation.	Within 3 months	 A photograph showing a blue gas cylinder mounted on a bicycle, parked in an outdoor area next to a building. The timestamp in the bottom right corner reads "25/04/2016 10:42".
3	Fire Rated Construction	The fire pump room located in the north side of basement floor is not provided with adequate fire separation.	Provide fire pump room with 2 hr rated fire separation when not sprinklered and 1 hr rated fire separation when provided with automatic sprinklers, in accordance with NFPA 20.	Within 3 months	 A photograph showing the interior of a fire pump room. A yellow arrow points to the entrance area. The room contains various equipment and a fire extinguisher. The timestamp in the bottom right corner reads "25/04/2016 10:45".



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
4	Fire Rated Construction	Day-care room located in the CI sheet shed area is not separated from adjacent wastage store by fire rated construction (non rated barrier).	Provide 2 hour fire rated protection in between daycare room and wastage store OR Relocate Day-care room on the ground floor with a maximum travel distance of 9 m (30 ft) or located one story above level of exit discharge with direct access to an exit enclosure. If the above is not possible provide a minimum 2-hr fire rated exit corridor between the day-care room and exit stair with ACCORD approval.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
5	Fire Rated Construction	The north and northwest elevator shafts discharge inside basement floor's warehouse are not separated by fire rated construction (unsealed penetrations and openings).	Separate the elevator shafts by a minimum 2-hr fire rated construction. Seal all penetrations and openings to maintain required fire separation.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
6	Fire Rated Construction	The north, north-east, south-west exit stairs are not separated from work areas and other spaces such as time section, reception, doctor room, machine room on each floor by fire rated construction(non rated doors, unsealed penetrations and openings etc.)	Provide minimum 1.5-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 by 2-hr fire rated construction. 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.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
7	Fire Rated Construction	The office area located in the east side of first floor more than 10 percent of entire floor area is not properly separated from production area by fire rated construction (unsealed penetrations and opening, non rated door).	Provide minimum 1.5-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 by 2-hr fire rated construction. 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.	Within 3 months	
8	Fire Rated Construction	Room used for combustible storage at basement floor is not separated by fire rated construction (unsealed penetrations and openings, non rated doors etc.).	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
9	Fire Rated Construction	Areas used for combustible storage on the second floor are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:- Maximum height of 2.4m and maximum area of 23m²- If sprinkler protected: maximum height of 3.66m and maximum area of 93sqm. Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
10	Egress	Collapsible gates /rolling down type doors are provided at building exits, exit discharge on all areas.	Replace all non-compliant gates (collapsible, rolling down, sliding) doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
11	Egress	Egress doors and gates with locking features are provided at building exits, exit stairs, along egress routes and exit discharge on all floors. All doors and gates were open and unlocked during inspection.	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 and ACCORD standard 6.8.2.	Immediate	
12	Egress	The width of egress aisles is less than 36-in on ground floor (North side of cutting section).	Provide minimum unobstructed aisle with width of 36-in.	Within 1 month	

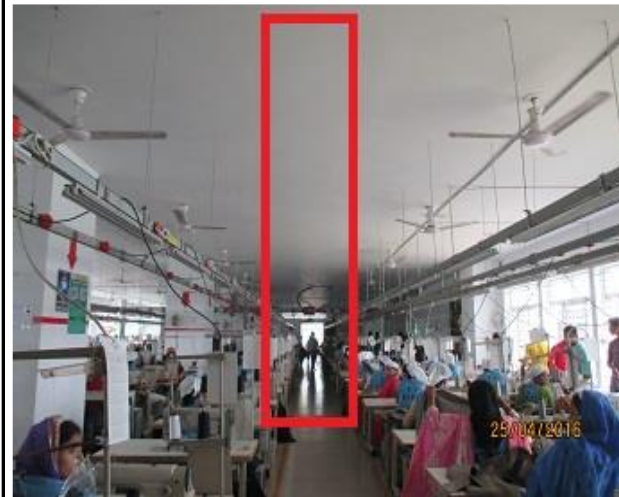


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13	Egress	Storage was located in the exit stairs. [Ground Floor: Time section and reception on NW stair and combustible materials on North stair, 1st Floor: Mechanical room on North stair and sitting arrangement for NW stair, 2nd Floor: Doctor's room on North stair, Roof: water pump on SE stair).	Keep egress paths and stairs clear of storage or any other occupancy.	Immediate	
14	Egress	The exit doors for roof does not swing in the direction of egress travel.	Ensure the direction of swinging for exit door in the direction of egress when the occupant load is more than 49.	Within 1 month	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
15	Egress	The height of parapet wall is less than 42 inch.	The parapet wall shall be with minimum 42 inch high for occupiable roof.	Within 1 month	

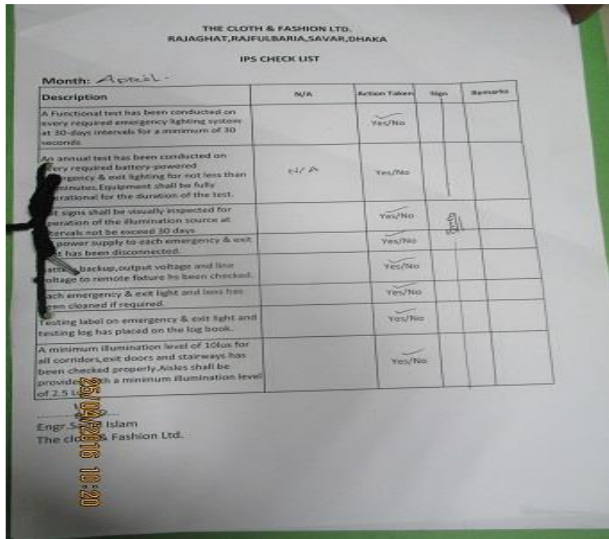


Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
16	Egress	Stair width more than 2.2 m but handrail not provided. [Exit discharge for NW stair].	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.)	Within 1 month	
17	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes and at exit stairs on all floors.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months	

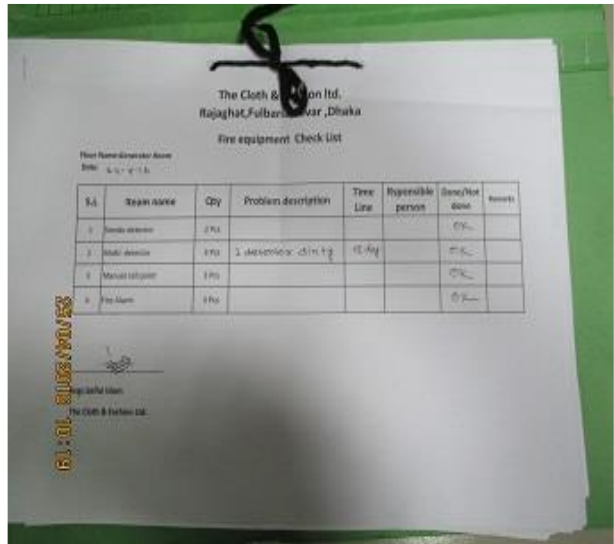


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18	Exit Signage	Exit signage was provided at all the exit doors but not sufficient along a path of egress where direction is changed.	Provide exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction is not obvious.	Within 3 months	
19	Egress Lighting	Manual on-off switch is provided for emergency lights.	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Within 1 month	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
20	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 3 months	
21	Fire Protection	Automatic fire alarm system is available for the main and utility building but wastage godown shed is not under the coverage of detection system, moreover installation process of detector is not appropriate for the main building. Ordinary cable used for fire alarm system.	Modify the fire alarm system in accordance with NFPA 72. The cable for fire alarm system shall be third party certified. Fire pump controls, fire door, exhaust fan HVAC system shall have to be interfaced with FACP.	Within 3 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
22	Fire Protection	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	
23	Fire Protection	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 onsite, in accordance with NFPA 10.	Within 3 months	



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24	Fire Protection	Roof is not under the coverage of standpipe system. The fire pumps are not certified and installation of fire pump is also not as per NFPA-20	Modify the standpipe system following NFPA-14. The fire pump shall be third party certified.	Within 3 months	 



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
25	Fire Protection	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25.	Within 3 months	

