

FIRE SAFETY INSPECTION REPORT

Workfield Knitwears

ACCORD ID: 12425

ADDRESS: Bawpara, Kaultia, Gazipur Sadar, Gazipur, Bangladesh

Other Factories: None



Inspected By: Raju Ahmed & Md. Atick Al Zaman

Date: May 15, 2016

Workfield Knitwear's

Bawpara, Kaultia, Gazipur Sadar, Gazipur, Bangladesh

Summary:

Workfield Knitwear's was surveyed for fire safety on 15th May 2016 by The Accord Inspection Team. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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.

SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
1	Fire Rated Construction	The exit stairs are not separated from factory floor on each floor by fire-rated construction.	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. Ensure that the fire doors are self-closing and 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 3 months	





Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
2	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction. Store room on seventh floor.	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 23m ² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m ² . 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
3	Fire Rated Construction	Rooms used for combustible storage on the ground floor are not separated by fire-rated construction. Location: 1st and 4th floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months	





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4	Fire Rated Construction	Penetrations through floor/ceiling assemblies are found unsealed.	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. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months	
5	Egress	The egress path along means of egress has interrupted by obstruction/storage. Location: 1st floor.	Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Keep egress paths and stairs clear of storage.	Immediate	





SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
6	Egress	Parapets or guards are not provide in occupiable roof.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	within 3 months	
7	Fire Rated Construction	Flammable gas storage area is not separated by fire-rated construction (openings, non-rated doors, penetrations) from the west exit stair discharge path.	Separate the flammable gas cylinder storage area by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	within 3 months	




SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
8	Fire Rated Construction	Generator and transformer room are not separated from each other by proper fire rated construction (non rated doors, unsealed penetrations and openings etc.).	Separate between the generator and transformer room from each other by a minimum 2-hr fire rated construction. Seal and/or protect all penetrations and openings to maintain the required fire separations.	within 3 months	
9	Egress	Storage was located in the south exit stair discharge path.	Remove all storage from exit stairs discharge path.	Immediately	






Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
10	Egress	Electrical panel box was located in the east exit stair. Location: Ground floor.	Remove all electrical panel box from exit stairs.	Within 2 months	
11	Egress	Building did not have stair designation signs.	Provide stair designation signs at required locations.	Within 1 month	





SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
12	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 2 Months	





SI No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
13	Fire Detection System	The existing fire alarm & detection system is not installed properly. Still few areas are out of detection system.	Submit the as-built design/drawing of fire alarm & detection system to Accord for review.	Within 06 Months (Design review & Modification of the system)	 
14	Fire Detection System	Inspection, testing, and maintenance for the fire alarm system was 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 2 Months	




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15	Fire Protection System	The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade is not protected with an approved standpipe system.	Provide a standpipe system throughout the building in accordance with NFPA 14.	(design 2 months & installation 4 months)	
16	Fire Protection System	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA-20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20.	Within 2 months	



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17	Fire Protection System	Fire Protection : Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14.	Within 2 months	
18	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 2 months	



Sl No.	Category	Findings	Required Action	Remediation Time Frame	Pictorial Evidence
19	Egress Lighting	Emergency lights not illuminated during testing (burned out, broken, etc.); Location: 1st floor.	Regularly inspect all exit signage as per Accord standard and replace/install lights as needed to illuminate signs.	Within 2 months	
20	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: 1st and 4th floor.	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	