

FIRE SAFETY INSPECTION REPORT

C & R Sweater Limited

ACCORD ID: 23939

**Address: Votulia (Nayeb Ali Market), P.O-Gazipur, P.S-Sreepur, Gazipur, Bangladesh.
(24.279432, 90.358833)**

Other Factories: None



Inspected By: Nirmal Chandra Sinha, Md. Tarif Raihan and Meher Sultana Moitry

Date: 21 January 2020

Fire Safety Inspection Report

Factory Name: C & R Sweater Limited

Introduction:

C & R Sweater Limited complex was surveyed for fire safety on 21 January 2020 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.



Table-1: Findings And Recommendations (All Buildings in premises)

SI No.	Category	Finding	Recommendation	Remediation Time Frame
1	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction in office building.	Stair shall be enclosed with a minimum 1-hr fire-rated construction. Seal all unprotected openings and provide minimum 1-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 3 months
				



2	Fire Rated Construction	Storage rooms and process areas used for combustible storage are not separated by fire rated construction on ground floor office building and main production shed building.	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction. Where separate storage rooms are not feasible, 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.	Within 3 months
 				



3	Fire Rated Construction	The both (north-west and south-west) exit stairs discharge inside the office building on ground floor.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas) or Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 3 months



4	Fire Rated Construction	Dining areas are not separated by fire rated construction from store room and production area in production shed on ground floor.	Separate dining area by a minimum 2-hr fire rated construction. Seal and/or protect all openings to maintain the required fire separations.	Within 3 months
 				
5	Fire Rated Construction	The newly constructed main production shed building is not fire rated construction.	Newly construction building shall be Type-1 & Type-2 construction in accordance with Accord building standard 3.5.2.1 and BNBC part-2 Table-3.2.4. Provide fire-resistive rated construction barriers 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.	Within 4 months





6	Egress	The day-care room does not does not have direct access to an exit stair on ground floor in accordance with meet ACCORD standard 3.4.2.1.1.	Day-care shall be located 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 1 month
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7	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.	Within 1 month
8	Egress lighting	Directional signs are not provided where direction of the path of travel to an exit has changed. Location: Main production shed building	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month





9	Egress	Egress gates with locking features are provided at building exits, exit stairs and exit discharge on ground floor in office building. All doors were open and unlocked during the 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.	Immediately
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10	Egress	Storage room was located in the both exit stair (north-west & south-west) enclosure in office building on ground floor.	Remove all storage / store room from exit stairs and egress paths. Or Separate the storage room by a minimum 1-hr fire-rated construction with vestibules. Seal and/or protected all openings to maintain the required fire separations.	Immediately
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11	Egress	Sliding doors have provided at exit in main production shed building packing room.	Replace all collapsible/sliding/shutter type doors & gates by the side-hinged swinging type doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
				



12	Fire Detection	For all buildings: The fire alarm system is antiquated (Manual), 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, installation within 9 months
 				
13	Fire Detection	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 1 month (after complete installation of listed fire alarm system)



14	Emergency 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 1 month
15	Emergency 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 1 month

