

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Crosswear Industries Limited

Factory ID: 24342

ADDRESS: Holding No-Ashu/Shilpa-16, Ward No-01, Kathgara, Zirabo

GPS Coordinates: 23.91624, 90.29498

Other Factories: None



Inspected By: Md. Atick Al Zaman & Md. Khalaquzzaman

Date: 20 February 2022

Fire Safety Inspection Report

Factory Name: Crosswear Industries Limited

Introduction:

Crosswear Industries Limited was surveyed for fire safety on 20 February, 2022 by The RSC 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 RSC. 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 RSC 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 RSC for approval.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The exit stairs are not separated from other occupancy on each floor by fire rated construction.	Provide minimum 1.5-hr fire rated doors for buildings that are 4 or more stories. 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. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets accord standard 6.8.3.1.	Within 3 months



2	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas & floors. Location: 7th Floor	Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.	Within 3 months
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3	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
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4	Storage	Storage was located in the exit stair. Location: North-East and North-west exit stair	Remove all storage from exit stairs.	Immediate
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5	Storage	Storage was located in the dining room and childcare area. Location: 6th floor	Remove all storage from dining room and childcare area.	Immediate
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6	Aisle	Aisle was missing/ blocked at several location.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Immediate
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7	Evacuation Map	Fire evacuation maps is not posted at the entrance of all exit stair. Location: South-east exit stair.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 2 weeks
8	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





9	Fire Protection	<p>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.</p>	<p>Submit the as-built design of standpipe system throughout the building in accordance with NFPA 14.</p>	<p>Design within 02 Months & Installation Within 04 Months</p>
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10	Fire Alarm System	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Design within 2 months, install within 4 months
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11	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
				
12	Emergency 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 3 months

13	Parapets or Guards	Parapets or guards are not provide in occupiable roof.	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 2 months
				
14	Inspection, testing, and maintenance	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

15	Inspection, testing, and maintenance	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 and ACCORD standards.	Within 3 Months
16	Inspection, testing, and maintenance	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 and accord standards.	Within 3 months
17	Inspection, testing, and maintenance	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 and accord standards.	Within 3 Months