

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Creative Collections Ltd. (Extension)

RSC ID: 24752

Factory Address: Nishat Nagar Tongi Gazipur.

**Other Factories: Creative Wash Ltd_(11586) &
Creative Collections Ltd (& Creative Washing Ltd)_(12154)**



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Date: 26th October 2023

Fire Safety Inspection Report

Introduction:

"Creative Collections Ltd. (Extension)" complex was surveyed for fire safety on 25/10/2023 by The RSC 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 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.

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 RSC 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):

- 01. 10 Storied RC Main Building**
- 02. 01 Storied Shed Fire Pump Room with Underground Water Reservoir**
- 03. 01 Storied RC Boiler Room**
- 04. 02 Storied Shed Building EGB Boiler Room**

Factory Address: Nishat Nagar Tongi Gazipur

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 review.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Storage room directly discharge to exit stair enclosure at several locations.	Openings from exit enclosure to storage and machine room spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1 hr. fire rated door on the exit stair side and a 1- hr. fire rated door on the storage and machine room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months
				

F-2	Fire Rated Construction	Elevator shafts are directly open into exit enclosure.	Ensure minimum 1.5-hr fire rating for the doors of elevator shafts otherwise close the shafts area with 2-hr fire rated construction barrier and 1.5-hr fire rated doors. So, rearrange the facility to provide separate enclosure for lifts. If not possible anyway provide a minimum 2-hr fire- rated elevator shaft with listed fire rated lift landing door to separate from each floor level.)	Within 3 months
				

F-3	Fire Rated Construction	Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies (8th Floor).	Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation at least by 3-hr. The used sealer shall be 3rd party certified and installation shall be as per manufacturer's guideline. (Type-1 Construction). or, Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required. (Type-1 Construction). "Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level or seal all penetrations and openings in floors/ceiling assemblies by 3-hr fire rated listed/certified materials. The installation of such fire rated materials shall be following certified design."	Within 3 months
				

F-4	Fire Rated Construction	Proper certification was not available for fire rated doors installed in the factory.	Submit proper certifications for installed fire doors to the RSC for approval. If not available, or certification is not approved, install new, properly certified fire rated doors in accordance with RSC direction.	Within 3 months
				
F-5	Means of Egress	Evacuation plan was missing at 4th Floor, Stair-02.	Provide evacuation maps at each required locations.	Within 1 month
F-6	Means of Egress	Building did not have stair designation signs at the required locations.	Provide stair designation signs at the required locations.	Within 1 month
F-7	Means of Egress	Dead-end aisles exceed 15 m (50 ft) limit at 2nd floor-west side office area.	Reconfigure the egress arrangement to reduce the maximum dead-end distance to not more than 15 m (50 ft) in accordance with RSC standard 6.13.3.	Within 1 month

F-8	Means of Egress	A single means of egress is provided from 2nd floor-west side office area where the occupant load exceeds 49 person.	Reduce occupant load to not more than 49 persons. Or, Provide additional means of egress.	Within 2 months
				
F-9	Fire Alarm & Detection System (FADS)	The factory has installed an addressable fire alarm & detection system which is required to be reviewed and verified.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval. Modification (if required) shall have to done as per the reviewed design and NFPA-72. Upon approval & modification (if required) the factory shall inform RSC to conduct final testing and commissioning verification of the system for final acceptance.	Design within 02 months, installation/modification on within 03 months
F-10	Fire Detection ITM	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 2 months

F-11	Fire Protection System	Fire protection System (Standpipe & Sprinkler System) installed and requires detailed review to confirm compliance with NFPA 13, 14, 20, 22, 24 & RSC Technical Guidelines (Standard)	The high-rise building has an occupied floor greater than 23 meter (75 feet) where required automatic sprinkler protection is installed through the factory. Sprinkler system is mandatory for the building based on height and type of construction but the Sprinkler System installed for the building along with standpipe system. However, both the system requires detailed review to confirm compliance with NFPA 13, 14, 20, 22, 24 and RSC Technical Guidelines (Standard).	Design within 02 months, installation/modification on within 04 months
F-12	Standpipe ITM	Inspection, testing and maintenance of the Standpipe system is not found in accordance with NFPA 14.	Inspect, Test & Maintain Standpipe System and keep written record as per NFPA 14 & NFPA 25.	Within 2 months
F-13	Sprinkler ITM	Inspection, testing and maintenance of the Sprinkler system is not found in accordance with NFPA 13.	Inspect, Test & Maintain Standpipe & Sprinkler System and keep written record as per NFPA 13 & NFPA 25.	Within 2 months
F-14	Fire Pump ITM	Inspection, testing and maintenance of the fire pump system is not found in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20 and RSC standards.	Within 2 months
F-15	Fire Extinguishers ITM	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 and RSC standards.	Within 2 months

F-16	Egress Lighting	Exit sign and Directional Sign are not provided at and towards exit at several floors.	Lighted exit signs shall be placed at entrance to an exit. Additional exit signs shall be placed throughout the facility anywhere the continuation of the egress is not obvious. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	Within 1 month
F-17	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 1 month
F-18	Emergency Lighting ITM	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC standard. Keep written records on-site.	Within 1 month