

INITIAL FIRE SAFETY INSPECTION REPORT

Fair Design Printing LTD.

RSC ID: 23868

ADDRESS: Shi-140/1, Chandpara, Bashon Sorok, Gazipur Sodor

Other Factories: None



Inspected By: Md Rafat Arefin & Md. Anisuzzaman

Date: 05th September 2023

Fire Safety Inspection Report

Fair Design Printing LTD

Introduction:

Fair Design Printing LTD; complex was surveyed for fire safety on **05/09/2023** 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): There are six structure under this ID-23868 which are below

1. Three storied main building (Construction started: 04/02/2015 to 15/05/2016 and Occupied 14/05/2016)
2. Utility building(Construction started: 04/02/2015 to 30/9/2022 and floor area 74 SQM)
3. Guard room(Construction started: 10/09/2015 to 8/01/2016 and area 11 SQM)
4. ETP building(Construction started: 03/02/2015 to 12/01/2016 and 43 SQM)
5. ETP store room(Construction started: 03/02/2015 to 12/01/2016 & 39 SQM)
6. ETP dry sludge storeroom

1. Three storied main building RCC Structure

Design Approved by : GCC & 18/07/2013

Construction period: Interim

Highest Occupied floor level/Building height: 22 feet 1 inch

Area: Total building area : 2823 SQM(GF Floor to 2nd floor 941 SQM)

Factory Address: Shi-140/1, Chandpara, Bashon Sorok, Gazipur Sodor.

Points of contact:

1. Name: Mohammad Iqbal Hossain ,
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2. Name: Md. Saiful Islam ,
Designation: Sr. Manager (HR & Compliance)
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Email: operation@fairdesign-bd.com

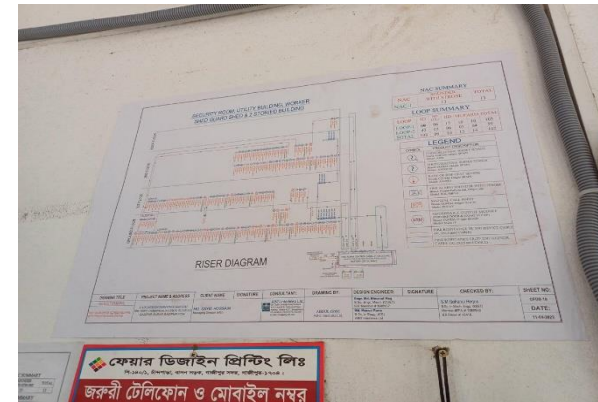
Findings & Recommendations :

Table 1- summarizes the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline.

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: Finding & recommendations

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Protection	The fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC Technical Guidelines (Standard).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and then approval/acceptance test.	Drawing within 2 months and Install/modification within 6 months.



F-2	Fire Protection (ITM)	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 2 months
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F-3	Fire Rated Construction	Exit doors are provided with 2 hr fire rated doors however fire door accessories are not working as required. Few installed door were found damaged that needs to evaluate, and repair/reinstall if required.	Separate the exit stairs from work areas and other building spaces on all floor levels by minimum 1-hr fire-rated construction (2-hr if vertical extension exceeds total floor more than 4 story) Provide minimum 0.75- hr fire rated doors (1.5 in case of vertical extension) and seal all unprotected openings and penetrations to maintain the fire separation (10" wall). Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. 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 RSC 6.8.3.1.	Within 3 months
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F-4	Fire Rated Construction	Dinning space is not separated from production area by Fire rated construction.	Remove dinning space from this location or, alternatively, provide minimum 3-hour fire rated separation.	Within 3 months

F-5	Fire Rated Construction	Chemical storage area is not separated by fire-rated construction having Fire rated door (Improper installation/functionaity) and unsealed penetrations and openings.	Separate the chemical storage room by 2-hr fire rated construction. Seal all penetrations and protect the openings to maintain the required fire separations. Keep 16-points MSDS of all chemicals in the storage area.	Within 3 months
				
F-6	Egress	Combustible Storage was located in the exit stair.	Remove all storage from exit stairs.	Within 7 days



F-7	Egress	A single means of exit has been provided. A portion of building at 2nd floor has been provided with only one exit. Location: Office area at 2nd floor	Provide another means of exit.	Within 3 months
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F-8	Egress Lighting	Manual on-off switch is provided for emergency lighting units.	Remove manual on/off switches from emergency lighting / exit signage units to prevent them from being switched off.	Within 1 month
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F-9	Egress Lighting (ITM)	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The RSC Technical Guidelines (Standard).	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The RSC Technical Guidelines (Standard). Keep written records on-site.	Within 1 month
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