

FIRE SAFETY INSPECTION REPORT

Factory Name: Renaissance Barind Ltd.

ACCORD ID: 23738

**Plot no. 62-68, 72-77, Ishwardi EPZ
24.095820, 89.032888**

Other Factories: None



**Inspected By: Ahammad Kabir, Md. Zahidul Islam
Date: 22 August, 2019.**

Fire Safety Inspection Report

Factory Name: Renaissance Barind Ltd.

Introduction:

Renaissance Barind Ltd. complex was surveyed for fire safety on **22/08/2019** 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.

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 Accord 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.



Findings & Recommendations :

Table-01:

Table 1 summarizes the major fire safety issues identified during the inspection of main building. 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
F-01	Fire Rated Construction	Prayer (male & female) area is not separated by 2-hr fire rated separation from exit stair enclosure.	Separate the prayer area by a minimum 2-hr fire-rated construction having a direct access to exit stair. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months



F-02	Fire Rated Construction	<p>The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.</p> <p>The gap between the below of door leaf and finished floor is more than 3/4 inches.</p>	<p>Provide minimum 2-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 rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors.</p> <p>If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.</p> <p>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</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p>	Within 3 months
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F-03	Fire Rated Construction	Penetrations through floor/ceiling assemblies are not properly sealed. Location: Building Expansion Joint	Seal all penetrations and openings in floor/ceiling (full/required thickness of the floor/ceiling) assemblies by listed fire rated materials to maintain the fire resistance rating of 3-hr.	Within 3 months
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F-04	Egress	Parapets or guards are not provided in occupiable roof// less than 42 inches	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 month
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F-05	Egress	Building did not have stair designation signs and occupant load signs at required locations.	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations in both English and Bengali language. Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space.	Immediate
F-06	Fire Detection & Alarm System	Fire detection 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. Modification work shall be as per NFPA 72 .	Design within 4 month, installation/ modification within 6 months after drawing review





F-07	Inspection, Testing, and Maintenance of the Fire Detection & Alarm System	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 compliant installation).
F-08	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. Reviewed design was not found during follow-up inspection	Submit the as-built design of fire fighting system to Accord in accordance with NFPA 14 & installation should be as per the reviewed design	Design within 4 months, Install within 6 months
F-09	Inspection, testing, and maintenance of the standpipe system	Inspection, testing, and maintenance of the standpipe system is not in accordance with NFPA 14 or as per Accord standard.	Inspect, test and maintain the standpipe system, and keep written records on-site, in accordance with NFPA 14 or as per Accord standard.	Within 3 month
F-10	Emergency Egress Lighting	Exit signage and Exit directional signage are not illuminated during testing (burned out, broken, etc.).	Regularly inspect all exit signage and exit directional signage as per Accord standard and replace/install lights as needed to illuminate signs.	Within 3 month





F-11	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 month
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F-12	Emergency Egress Lighting	Exit sign not provided at several exits of the building.	<p>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.</p> <p>Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.</p>	Within 3 month
				
F-13	Inspection, testing, and maintenance of Emergency light and Exit Sign	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 month
F-14	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 ACCORD standards.	Within 3 months



F-15	Fire Pump ITM	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 and ACCORD standards.	Within 3 months
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