

INITIAL FIRE SAFETY INSPECTION REPORT

Debonair Limited (extension)

RSC ID: 24090

ADDRESS: Gorat, Sarker Market Road, Ashulia, Dhaka-1341.

Google co-ordinate: 23.943482890210316, 90.3037265889524

Other Factories: Debonair Limited & Orbitex knitwear Limited (In the premises)



Inspected By: Pantha Pallob Das ,Md.Anisuzzaman

Date: 29-Dec-2020

Fire Safety Inspection Report

Debonair Limited (extension)

Introduction:

Debonair Limited (extension), complex was surveyed for fire safety on 29/12/2020 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. 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:Building 01-Office Building (5 storied RCC)

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	Exit stair enclosures are not properly fire-rated construction (Fire doors are not properly functioning, small leaf of fire-rated doors are not interfaced with FACP).	Provide minimum 2-hr fire rated separation enclosure. Provide minimum 1.5-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 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.	Within 3 months



F-2	Fire Rated Construction	Elevator shafts are directly open into the production floor without proper fire separation (Doors are not fire rated).	Ensure minimum 1.5-hr fire rating the doors of elevator shafts otherwise close the area of the shaft with a 2-hr fire-rated construction barrier.	Within 3 month
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F-3	Fire Rated Construction	Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas & Office room Location: Ground floor of Office Building.	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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F-4	Egress	The common path of egress travel was found 110 ft (33.5 m) on all floors except the ground floor which is a violation of Accord Standard. Location: Office Building	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 23m.☐	Within 3 months
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F-5	Egress Lighting	Directional signs are not provided where the direction of the path of travel to an exit has changed. Location: 4th Floor of an office building	Illuminated directional signs shall be provided where there is a change in the direction in the path of travel and the direction of an exit is not obvious.	Within 1 month
F-6	Egress lighting(ITM)	Inspection, testing, and maintenance of the exit sign and emergency lighting system was not in accordance with The ACCORD standard. Location: Building 01-Office building.	Inspect, test, and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3months

F-7	Fire Alarm & Detection System	The fire alarm system installation requires a detailed review to confirm compliance with NFPA 72 and ACCORD Standard.	Submit As-built drawings, testing records, equipment certification, and other relevant documentation to the RSC for review and approval/acceptance test	Design within 2 months, Install within 4 months (If modification required).
				
F-8	Fire Alarm & Detection System(ITM of FADS)	Inspection, testing, and maintenance of the fire alarm system are 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 3months

F-9	Fire Protection System(Standpipe)	The Standpipe system installation requires a detailed review to confirm compliance with NFPA 14 and ACCORD Standard.	Submit As-built drawings, testing records, equipment certification, and other relevant documentation to the RSC for review and approval/acceptance test	Design within 2 months, Install within 4 months (If modification required)
				
F-10	Fire Protection System(ITM of Standpipe)	Inspection, testing, and maintenance of the Standpipe system are not in accordance with NFPA 25 or as per Accord standard.	Inspect, test, and maintain the Standpipe system, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 3months

F-11	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system are not in accordance with NFPA 10 or as per Accord standard.	Inspect, test, and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 3 months
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Table-2: Building 02-Template Sewing Unit (Single Storied Steel structure) & Building 03-Finished Goods Warehouse (Multi Level Steel Structure)

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-12	Fire Rated Construction	Considering the date and type of construction, building-02 (Template Sewing) and Building 03- (Finished Goods Warehouse) are defined as "New Non-rated Construction" in accordance with Accord standard.	Construction of new non-high-rise Factories containing G and/or H2 Occupancies (factories) shall be Type 1 Or Type 2 construction as required in BNBC Part 3 Table 3.2.4. Provide/ensure the required fire rating on The structural elements by 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. Consult a Qualified fire protection engineer too Design the rated construction barriers in Between two floors and in structural Members	Within 6 months



F-13	Egress lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Location: Building 02 & Building 03	Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along with the means of egress. Provide a minimum illumination of 10 Lux at the floor level within exit stairs and exit discharge paths and a minimum of 2.5 Lux along exit access aisles.	Within 3months
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F-14	Egress lighting(ITM)	Inspection, testing, and maintenance of the exit sign and emergency lighting system was not in accordance with The ACCORD standard. Location: Building 02 & Building 03	Inspect, test, and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3months
F-15	Fire Alarm & Detection System	The Required Fire Alarm system is not installed in accordance with the ACCORD standard and NFPA-72. Location: Building 02 & Building 03	Design & Installation of Fire Alarm system should be in accordance with ACCORD standard and NFPA 72.	Design within 2 months, Install within 4 months (If modification required)



F-16	Fire Alarm & Detection System(ITM of FADS)	Inspection, testing, and maintenance of the fire alarm system are not in accordance with NFPA 72 or as per Accord standard. Location: Building 02 & Building 03	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 3months
F-17	Fire Protection System(ITM of Extinguisher)	Inspection, testing, and maintenance of the extinguisher system are not in accordance with NFPA 10 or as per Accord standard. Location: Building 02 & Building 03	Inspect, test, and maintain the extinguisher system, and keep written records on-site, in accordance with NFPA 10 or as per Accord standard.	Within 3 months