

INITIAL FIRE SAFETY INSPECTION REPORT

Factory: Mondol Intimates Limited New Buildings

Factory ID: 24130

ADDRESS: Shirir Chala, Bagher Bazar, Mawna, Gazipur Sadar, Gazipur.

GPS Coordinates: 24.1650,90.428480

Other Factories: Mondol Intimates Ltd._11705



Inspectors: Md. Zahidul Islam & Md Kamrul Hasan Chowdhury

Date: 10-Feb-2021

Fire Safety Inspection Report

Factory Name: Mondol Intimates Limited New Buildings

Introduction:

Mondol Intimates Limited New Buildings complex was surveyed for fire safety on 10/02/2021 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.

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 RSC for approval.

Table-1:

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Fire Rated Construction	<p>The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.</p> <p>All the construction does not ensure required fire rating.</p>	<p>Provide minimum 2-hr fire rated construction for buildings 4 storied or more and 1-hr for upto 3 storied. Seal all unprotected openings to separate the exit stairs from work areas and other spaces on all floor levels by 90 minutes for 2 hr construction and 60 minutes for 1-hr construction. 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 and provide vestibules to avoid direct discharge from storage to exit stair enclosure.</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






F-02	Fire Rated Construction	Elevator is open into an exit stair enclosure.	<p>Openings into an exit enclosure other than unprotected exterior walls shall be limited to those necessary for exit access to the enclosure. In new construction, elevators shall not open into an exit enclosure. Openings from exit enclosures to storage areas, basements, transformer rooms, generator rooms, boiler rooms, and similar normally unoccupied spaces shall be provided with vestibules according to ACCORD standard 6.14.3.</p>	Within 3 months
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F-03	Fire Rated Construction	Unsealed electrical shafts are located in the firerated floor/ceiling assemblies throughout the building.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation.	Within 3 months
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<p>F-04</p>	<p>Fire Rated Construction</p>	<p>The connection bridge exits between two buildings is not separated from the building.</p>	<p>The connection bridge exits shall be separated by minimum 2-hr fire-rated construction and The rating of the exterior wall shall extend 3.05 m (10 ft.) beyond the ends of the stair connection structure. Provide minimum 2-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing, 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.</p>	<p>Within 3 month</p>
<div style="display: flex; justify-content: space-around;">   </div>				
<p>F-05</p>	<p>Fire Rated Construction</p>	<p>Unsealed penetrations and openings are located in exit stair enclosures.(Opening of lift shaft to stair enclosure)</p>	<p>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.</p>	<p>within 3 months</p>

				
<p>F-06</p>	<p>Fire Rated Construction</p>	<p>Areas used for in-process storage of combustible materials are open to the surrounding occupancy.</p>	<p>Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 1. General Condition: Maximum height of 2.4m and maximum area of 23m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. 2. If sprinkler protected: maximum height of 3.66m and maximum area of 93m². Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. or 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction. 	<p>Within 3 month</p>



F-07	Egress	No smoking sign is not observed in the factory building.	<p>Factory shall provide no-smoking sign at all required places. Smoking shall be prohibited in any garment factory building, separate storage building, or any building or area where the Inspector of the Factories Rules (1.6.3.7) Part 53 requires that smoking be prohibited. Signs shall be posted in Bengali and English at all building entrances.</p> <p>If an Owner creates a designated smoking area outside the buildings, information on the location of these designated areas shall be posted on the signs required in 13.5.2.</p>	Within 3 months
F-08	Egress	Fire evacuation maps is not posted at the entrance of all exit stair.	Post Fire evacuation maps at the entrance to each exit stair.	Within 3 months

F-09	Egress	Exit capacity(500) is not adequate for the occupant load (520). Location: Dining	1. Reduce occupant load to not more than available exit capacity. Or 2. Provide additional exits to increase exit capacity.	Immediately
F-10	Fire Alarm & Detection system	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and Accord Standard.	Submit as build drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Design within 4 months, Install within 6 months
F-11	ITM, Fire Detection and Fire Alarm system	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 1 month (after installation)
F-12	Fire Protection System	The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade requires detailed review to confirm compliance with NFPA 14, 20,22 and Accord Standard.	Provide standpipe system throughout the building in accordance with NFPA 14, 20, 22 & Accord standard.	Design within 4 months, Install within 6 months
F-13	ITM, Standpipes	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards (After installation).	Within 1 month (after installation)

F-14	Fire Protection System	The high-rise building has an occupied floor greater than 23m (75 ft) and requires detailed review of automatic sprinkler protection to confirm compliance with NFPA 13,20,22 and Accord Standard.	Provide automatic sprinkler protection throughout the building in accordance with NFPA 13.	Design within 4 months, Install within 6 months
F-15	ITM, Sprinkler system	Inspection, testing, and maintenance of the automatic sprinkler system is not in accordance with NFPA 25 or as per Accord standard.	Inspect, test and maintain the automatic sprinkler system, and keep written records on-site, in accordance with NFPA 25 or as per Accord standard.	Within 1 month (after installation)
F-16	ITM, 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-17	ITM, Fire Extinguishers	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 month