

FIRE SAFETY INSPECTION REPORT

**MONDOL FABRICS LTD.
NAYAPARA, KASHIMPUR**

OTHER FACTORIES: MONTEX FABRICS



ACCORD
on Fire and Building Safety in Bangladesh

April 5, 2014

SUMMARY

Mondol Fabrics Ltd. was surveyed for fire safety on 4/5/2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this 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.

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 Accord for approval.

Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures specifically on the roof floor, south stairwell. In addition to the roof floor, the south stairwells preceding floors have windows that open into production floors.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months

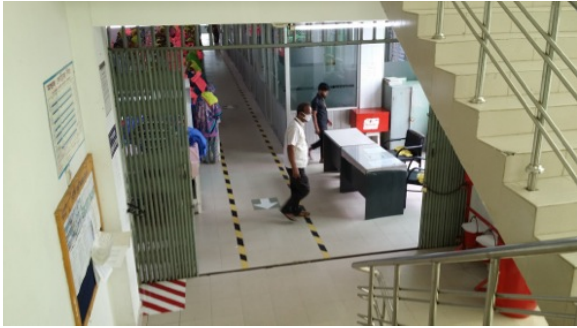


F-2	Fire Rated Construction	The boiler, generator, and transformer room is not separated by fire-rated construction openings, non-rated doors, and penetrations. However the boiler room, generator room, and transformer rooms are located in an auxiliary building approximately 15 meters away from the main building.	Separate the boiler, generator, and transformer room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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F-3	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction. This was reflected on all floors.	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
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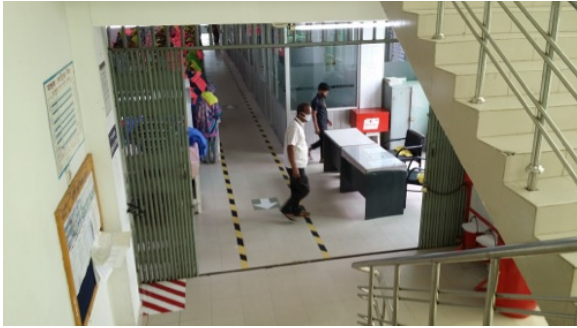
F-4	Egress	Exit stair door does not swing in the direction of egress travel. Roof floor stairwell enclosures, doorways within the path of egress should swing in the direction of egress.	Modify the egress door to swing in the direction of egress travel.	Immediate
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F-5	Egress	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, and exit discharge. This was apparent on all floor.	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-6	Egress	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and exit discharge. Located on all floors in each exit doorway leading into exit stairwells.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month
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F-7	Egress	Storage located within stairwell enclosures were found in all exit stairwells, primarily on the ground, and roof floors.	Remove all storage from exit stairs and egress paths.	Within 1 month
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F-8	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
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F-9	Fire Protection	Inspection, testing, and maintenance records for the fire alarm system was 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 3 months
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F-10	Fire Protection	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Replace the single-station smoke alarms. Provide automatic smoke detection throughout the building in accordance with NFPA 72.	Within 6 months
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F-11	Egress Lighting	Manual on-off switch is provided for emergency lighting units. All floors were seen to be using emergency lighting appliances with on/off switches.	Remove manual on/off switches from emergency lighting units to prevent them from being switched off.	Immediate
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F-12	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not available.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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F-13	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. This was reflected on all floors.	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 months
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