

FIRE SAFETY INSPECTION REPORT

BASIC APPARELS LTD
135_138, ABDULLAHPUR, UTTARA

**OTHER FACTORIES: BENGAL DENIM LTD, BENGAL
JEANS LTD, M.A.C.K. SHIRTS LTD**



ACCORD
on Fire and Building Safety in Bangladesh

April 15, 2014

SUMMARY

Basic Apparels Ltd was surveyed for fire safety on 4/15/2014 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	Hazardous materials storage area is not separated by fire-rated construction openings, non-rated doors and penetrations all present.	Separate the hazardous materials / flammable liquid storage room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	Within 3 months
				
F-2	Fire Rated Construction	The boiler room is not adequately separated by fire-rated construction (openings, non-rated doors, penetrations all present on the first floor only.	Separate the boiler room by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months



F-3	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction.	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	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls and floors to maintain the fire separation.	Within 3 months
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F-5	Fire Rated Construction	Floors 1 and 2, combustible storage is not separated by fire-rated construction throughout factory.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - 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.	Within 3 months
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F-6	Egress	Exit capacity is not adequate for the occupant load. The calculated egress capacity is not adequate for the number of employees on the first and second floors, this has to addressed immediately. First Floor:702 to 598 Second Floor: 702 to 598	Immediately reduce occupant load to not more than available exit capacity. If possible, provide additional exits in the future to increase egress capacity.	Immediate
F-7	Egress	Collapsible steel sliding gated doors are provided at building exits, exit stairs, along egress routes on the first floor and main exit discharge at ground level. All egress doors were open with locks in sealed position.	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





F-8	Egress	The width of egress aisles is less than 36-in on the first and second floor due to structural column layout and design of sewing machine productions.	Provide minimum aisle widths of 36-in.	Within 3 months
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F-9	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-10	Fire Protection	Inspection, testing, and maintenance 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-11	Egress Lighting	Exit signage was not adequately illuminated in line with Bangladesh national building code. Located on the Second floor finishing section.	Provide illuminated signage above all egress exit door points.	Within 3 months
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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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