

FIRE SAFETY INSPECTION REPORT

Factory Name: AR Jeans Producer Ltd.

ACCORD ID: 23156

ADDRESS:

**Pukurpar, Kathgora, Zirabo, Ashulia, Dhaka
23.916198, 90.293562**

Other Factories: None



**Inspected By: Md. Zahidul Islam , Kazi Raian Mahmood
Date: 20 March, 2018.**

Fire Safety Inspection Report

Factory Name: AR Jeans Producer Ltd.

ADDRESS: Pukurpar, Kathgora, Zirabo, Ashulia, Dhaka

Summary:

AR Jeans Producer Ltd. was surveyed for fire safety on 20th March 2018 by The Accord Inspection Team. 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.



Findings & Recommendations :

Table 1 summarizes the major fire safety issues identified during the inspection of building-1. 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:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire separation	Penetrations through floor/ceiling assemblies are found unsealed. Electrical Shaft & elevator shaft are open to the floor near to exit stair 1 & 3. Fire rated material without proper documentation has been used to separate the electrical shaft.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	3 months





2	Fire separation	Areas used for in-process storage of combustible materials are open to the surrounding occupancy & combustible goods are found under the cutting table.	Provide defined storage areas and limit the storage arrangement as follows:- 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. 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 - Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.	within two month
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3	Fire Separation	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction. Stair-3 discharge to a passage having DB board at ground floor. Stair-2 with admin HR room at ground floor has non listed fire door. Fire door install at all exits at all floors are held open with the help of external sources (laces, bricks etc.) those are not interfaced with fire alarm system.	Stair shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and 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.	within 3 months
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4	Egress	No Occupant Load sign anywhere in the factory was observed.	Provide occupant load sign in every floor beside evacuation plan.	2 months
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5	Egress	Exit stair-1 discharges inside the building at ground floor.	Separate the exit passageway (ceiling, floor, wall etc.) by minimum 2- hr fire-resistance rated construction and shall terminate at an exit discharge outside the building.	3 months
6	Egress	Exit capacity is not adequate for the occupant load at building-1 4th floor.	1. Reduce occupant load to not more than available exit capacity. Or 2. Provide additional exits to increase exit capacity.	3 months





7 Egress lighting

Exit signs are not in dual language.

Provide both local and international language to all exit sign

2 months



8	Fire Alarm Syatem	The factory has designed & installed the addressable fire alarm system without having approval from AHJ. An old non-listed system has also been observed along with the new listed system.	Submit the drawing to ACCORD and Modify the system (if required) as per NFPA 72 upon reviwed by ACCORD. Remove the old non-listed system.	Design within 4 months, installation/ modification within 6 months after drawing review
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9	Fire protection	The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade. The factory has designed & installed Standpipe system without having approval from AHJ.	Submit the drawing to ACCORD and Modify the system (if required) as per NFPA 14 upon reviewed by ACCORD.	Design within 4 months, installation/ modification within 6 months after drawing review
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Findings & Recommendations :

Table 2 summarizes the major fire safety issues identified during the inspection of building-2. 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-2:

Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Separation	The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction. The loading unloading area is open with stair 1. Fire doors install at all exits through out the building are kept open through external sources (brick, laces etc.) not interfaced with FACP.	Stair shall be enclosed with a minimum 2-hr fire-rated construction. Seal all unprotected openings and 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.	within 3 months





2	Fire Separation	Horizontal penetrations at stair-2 at ground and 2nd floor are found unsealed.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling) assemblies by fire rated materials to maintain the fire resistance rating. Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	3 month
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3	Fire separation	Elevator shaft is not separated by proper fire rated construction (openings, non-rated doors, penetrations) Lift open to floor and elevator shaft near stair 1 & 2.	Provide a minimum 2-hr fire rated elevator shaft to separate it from each floor. Seal and/or protect all openings to maintain fire separations	3 months
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4	Fire separation	Building 1 & 2 are not separated at 5th floor, non listed door at connecting bridge was observed.	Provide minimum 2 hour fire rated separation in between two buildings.	3 months
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5	Fire separation	Inspection room at second floor has secondary exit through bonded warehouse.	Provide a secondary exit opens directly to the exit stair or provide a 2-hr fire rated corridor at the secondary exit discharge.	Within 3 months
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6	means of egress	The egress path along means of egress has interrupted by obstruction/storage. Storage on aisles on finished goods area.	Means of egress shall be maintained continuously free and clear of all obstructions/storage. Or Keep egress paths and stairs clear of storage.	Immediately
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7	Egress	No re-entry was observed at ground floor	Provide re-entry at ground floor	2 months
				
8	Egress Lighting	Exit sign not provided at exit at bonded warehouse (ground floor).	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. Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.	2 months





9	Fire Alarm System	The factory has designed & installed the addressable fire alarm system without having approval from AHJ. An old non-listed system has also been observed along with the new listed system.	Submit the drawing to ACCORD and Modify the system (if required) as per NFPA 72 upon reviewed by ACCORD. Remove the old non-listed system.	within 6 months
10	Fire protection	The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade. The factory has designed & installed Standpipe system without having approval from AHJ.	Submit the drawing to ACCORD and Modify the system (if required) as per NFPA 14 upon reviewed by ACCORD.	6 months

