

# FIRE SAFETY INSPECTION REPORT

## Dekko Garments Ltd.

ACCORD ID: 9214

Google Coordinate: 24.252608, 90.394345  
Nayanpur, Mawna, Sreepur, Gazipur.

Other Factories: None



Inspected By: Md. Zahidul Islam

Date: 08 April, 2019.

# Fire Safety Inspection Report

**Factory Name: Dekko Garments Ltd.**

## **Introduction:**

Dekko Garments Ltd. complex was surveyed for fire safety on 08/04/2019 by The Accord 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 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.

## **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 Accord 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.



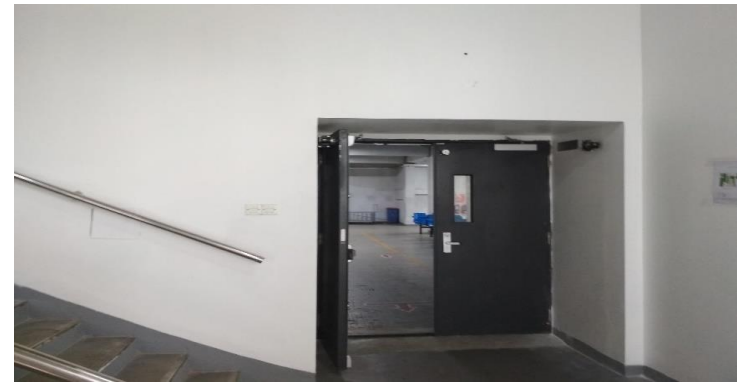
**Findings & Recommendations :**

Table:

Table summarizes the major fire safety issues identified during the inspection of the factory 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 Accord for approval.

SI No.	Category	Findings	Required Action	Remediation Time Frame
<b>Admin Building F-01</b>	Egress	Fire evacuation maps is not posted at the entrance of all exit stair.	Fire evacuation maps shall be posted at the entrance to each exit stair.	Within 3 months
<b>F-02</b>	Egress	Floor no., occupant load, stair designation sign were not present in the exit stairs	Provide floor no., maximum & present occupant load, stair designation sign in every stair in all floors	Immediately
<b>Day Care Building F-01</b>	Fire Rated Construction	The exit stairs are not separated from [work areas, other spaces] 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 rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. If fire rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.	Within 3 months





<p><b>F-02</b></p>	<p>Fire Rated Construction</p>	<p>Exit stair(s) is discharge the occupants inside the building.</p>	<p>1. Modify stair to discharge directly outside. Or 2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Or 3. Provide sprinkler protection for discharge floor in accordance with NFPA 13.</p>	<p>Within 3 months</p>
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<p><b>F-03</b></p>	<p>Egress</p>	<p>Doors along means of egress are provided with non compliant locking system.</p>	<ol style="list-style-type: none"> <li>1. Remove all non compliant locking features from egress doors.</li> <li>2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</li> <li>3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons.</li> <li>4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.</li> </ol>	<p>Immeadiate</p>
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<b>F-04</b>	Egress	Parapets or guards are not provided in occupiable roof// less than 42 inches	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months
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F-05	Egress	Storage was located in the exit stair.	Remove all storage from exit stairs.	Immediate
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F-06	Egress Lighting	Exit sign not provided at exit.	<p>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.</p> <p>Lighted exit signs shall be provided with either battery backup or uninterruptable power supply systems and shall be continuously illuminated.</p>	Within 3 months
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<p><b>F-07</b></p>	<p>Egress Lighting</p>	<p>Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.</p>	<p>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.</p>	<p>Within 3 months</p>
				
<p><b>Main Production Building F-01</b></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"> <li>1. <b>General Condition:</b> Maximum height of 2.4m and maximum area of 23m<sup>2</sup>. Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</li> <li>2. <b>If sprinkler protected:</b> maximum height of 3.66m and maximum area of 93m<sup>2</sup>. Separate areas of unenclosed combustible storage by a minimum clear distance of 3m. or</li> <li>3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.</li> </ol>	<p>Within 3 months</p>

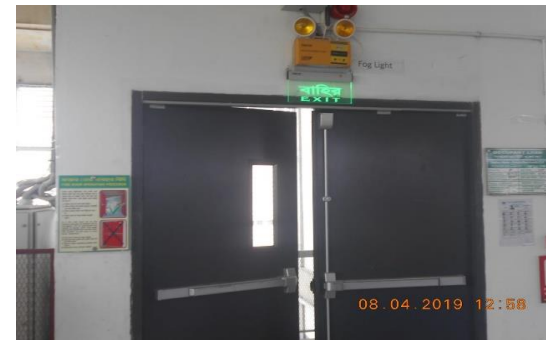




<p><b>F-02</b></p>	<p>Fire Rated Construction</p>	<p>Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas.</p>	<p>Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.</p>	<p>Within 3 months</p>
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<p><b>F-03</b></p>	<p>Fire Rated Construction</p>	<p>The exit stairs are not separated from [work areas, other spaces] on each floor by fire-rated construction.</p>	<p>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 rated doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors. 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>Within 3 months</p>
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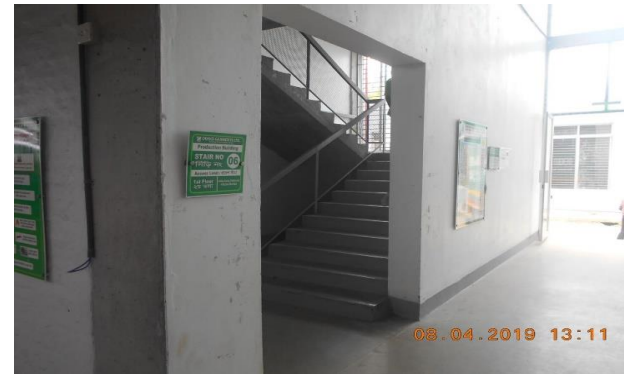




<p><b>F-04</b></p>	<p>Fire Rated Construction</p>	<p>Exterior exit stairs are not properly separated from the building and stair exit discharge</p>	<p>Exterior exit stairs shall be separated from the building with a rating requirement of 2 hr fire rating for 4 or more stories. The rating of the exterior wall shall extend 3.05 m (10 ft) beyond the ends of the stair structure</p>	<p>Within 3 months</p>
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<p><b>F-05</b></p>	<p>Fire Rated Construction</p>	<p>Exit stairs(6&amp;7) are discharge the occupants inside the building.</p>	<p>1. Modify stair to discharge directly outside. Or 2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Or 3. Provide sprinkler protection for discharge floor in accordance with NFPA 13.</p>	<p>Within 3 months</p>
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<p><b>F-06</b></p>	<p>Fire Rated Construction</p>	<p>Unsealed penetrations and openings are located in exit stair enclosures at main production building.</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>
<div style="display: flex; justify-content: space-around;">   </div>				
<p><b>F-07</b></p>	<p>Egress</p>	<p>Headroom is less than 6 feet 8 in. (Obstructed by electrical bus bar)</p>	<p>All means of egress shall have a minimum ceiling height of 2.3 m (7 ft 6 in.) with projections from the ceiling not less than 2.03 m (6ft8in.). The minimum ceiling height shall be maintained for at least 2/3 of the space or room as long as the remaining area shall be not less than 2.03m (6ft 8in.). Headroom on stairs shall not be less than 2.03 m (6 ft 8 in.).</p>	<p>Within 3 months</p>





F-08	Egress	Aisles is not provided at Fusing and sample section.	Aisles shall be provided with a minimum unobstructed clear-width of 0.9 m (36 in.).	Within 3 months
F-09	Egress	Floor no., occupant load, stair designation sign were not present in the exit stairs	Provide floor no., maximum & present occupant load, stair designation sign in every stair in all floors	Immediate
F-10	Egress	Storage(Shoe rack) was located in the exit stair.	Remove all storage from exit stairs.	Immediate





F-11	Egress	No smoking sign did not provided in the several building of the factory.	Provide No Smoking sign at all required places.	Within 1 month
F-12	Detection & Protection	Fire detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards (applicable for all structure).	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval	Within 6 months/ if the whole system modification required Design within 4 months, Install within 9 months



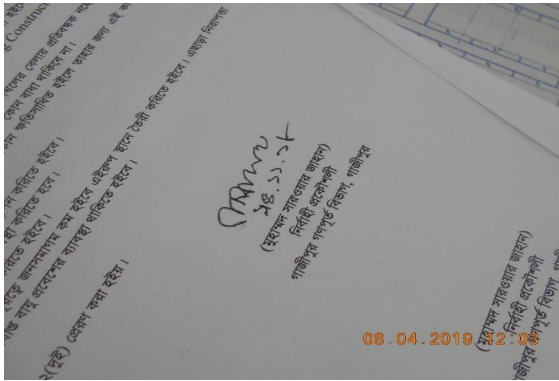


<p><b>F-13</b></p>	<p>Detection-ITM</p>	<p>Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.</p>	<p>Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.</p>	<p>Within 3 month</p>
<p><b>F-14</b></p>	<p>Egress Lighting</p>	<p>Directional signs are not provided where direction of the path of travel to an exit has changed at Main production building.</p>	<p>Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.</p>	<p>Within 3 month</p>
<p><b>F-15</b></p>	<p>Egress Lighting</p>	<p>Exit sign not provided at exit of wash section.</p>	<p>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.</p>	<p>Within 3 month</p>



<p><b>F-16</b></p>	<p>Inspection, testing, and maintenance of Emergency light and Exit Sign</p>	<p>Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.</p>	<p>Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.</p>	<p>Within 3 month</p>
<p><b>F-17</b></p>	<p>Fire Extinguishers ITM</p>	<p>Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.</p>	<p>Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10 and ACCORD standards.</p>	<p>Within 3 months</p>
<p><b>Raw Material Building F-01</b></p>	<p>Fire Rated Construction</p>	<p>Considering the date and type of construction, factory building is defined as "New Non-rated Construction" in accordance with Accord standard.</p>	<p>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 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 to design the rated construction barriers in between two floors and in structural members.</p>	<p>Within 6 month</p>





<p><b>F-02</b></p>	<p>Egress</p>	<p>Egress doors/gates with locking features not complying with NFPA101 are provided at [ building exits, exit stairs, along egress routes, exit discharge]</p>	<p>Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.</p>	<p>Immediate</p>
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<p><b>Utility Building F-01</b></p>	<p>Egress</p>	<p>Floor no., occupant load, stair designation sign were not present in the exit stairs</p>	<p>Provide floor no., maximum &amp; present occupant load, stair designation sign in every stair in all floors</p>	<p>Immediate</p>
<p><b>F-02</b></p>	<p>Egress</p>	<p>Parapets or guards are not provided in occupiable roof// less than 42 inches</p>	<p>Provide parapets or guards with a minimum height of 1067mm (42 inch.).</p>	<p>Within 3 month</p>

