

INITIAL FIRE SAFETY INSPECTION REPORT

Jeans Manufacturing Co. Ltd (New location)

RSC ID: 24339

RISHIPARA, SHINGAIR ROAD, HEMAYETPUR, SAVAR, DHAKA

Other Factories: None



Inspected By: Ahammad Kabir & Yusuf Ahmed



Date: 20-Mar-2022



Findings & Recommendations :

Table 1- summarizes the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline. 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-1	Fire Rated Construction	<p>Exit Enclosures are not properly fire separated from other occupancy on each floor by fire rated construction due to non-functionality of installed fire rated doors.</p> <p>Location: Building-1 (Production Building)</p>	<p>Provide minimum 1-hr fire rated separation in exit enclosures with minimum 1-hr fire rated doors and seal all unprotected openings and penetration to separate the exit stairs from work areas and other building spaces on all floor levels with similar rating of fire door. 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.</p>	Within 3 months

					
F-2	Fire Rated Construction	<p>The main structural element of the Production Building is constructed by steel which is non-rated and were found in exposed condition without any fire protection.</p> <p>Location: Building-1</p>	<p>The building shall be type-I or II construction. So, provide required rating in the structural elements of the building. Consult with a qualified fire protection engineer. Follow BNBC 2006-Table 3.3.1, 3.2.4 & 3.1.9</p>	Within 6 months	

					
F-3	Fire Rated Construction	<p>The exit discharge path serving the north exit is less than 10 ft wide and is not separated from the building interior.</p> <p>Location: Northeast exit stair discharge path, Building-1 (Production Building)</p>	<p>Seal all penetrations and openings to the interior of the building along the discharge path, up to a height of 10 ft., to provide a minimum 1-hr fire separation.</p> <p>Alternatively, provide a second remote discharge path to the public way.</p>	Within 3 months	



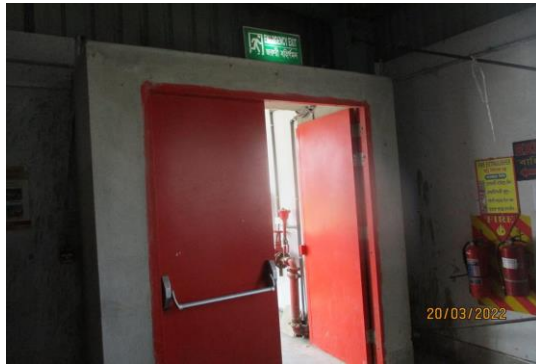
F-4	Means of egress	<p>The egress path along means of egress was interrupted by obstruction/storage.</p> <p>Location: Building-1 (Production Building)</p>	<p>Means of egress shall be maintained continuously free and clear of all obstructions/storage.</p>	<p>Immediately</p>
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F-5	Fire Alarm & Detection System (FADS)	Fire alarm and detection system installation within the factory buildings requires detailed review to confirm compliance with NFPA 72 and RSC standards.	<p>Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. Modification (if required) shall have to be done as per the reviewed design and NFPA-72.</p> <p>Upon review & modification (if required) the owner shall verify the system by himself and apply RSC for final acceptance testing.</p>	Design within 2 months, Install within 4 months.
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F-6	ITM of Fire Alarm & Detection System (FADS)	<p>Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72.</p>	<p>Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.</p>	<p>Within 1 month (After installation)</p>
F-7	Fire Rated Construction	<p>Exit Enclosures are not properly fire separated from other occupancy on each floor by fire rated construction due to non-functionality of installed fire rated doors.</p> <p>Location: Building-3 (Cutting Building)</p>	<p>Provide minimum 1-hr fire rated separation in exit enclosures with minimum 1-hr fire rated doors and seal all unprotected openings and penetration to separate the exit stairs from work areas and other building spaces on all floor levels with similar rating of fire door. 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.</p>	<p>Within 3 months</p>




F-8	Fire Rated Construction	<p>The main structural element of the Production Building is constructed by steel which is non-rated and were found in exposed condition without any fire protection.</p> <p>Location:Building-3 (Cutting Building)</p>	<p>The building shall be type-I or II construction. So, provide required rating in the structural elements of the building. Consult with a qualified fire protection engineer. Follow BNBC 2006-Table 3.3.1, 3.2.4 & 3.1.9</p>	Within 6 months
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F-9	Fire Rated Construction	<p>Areas used for combustible storage are not separated by fire-rated construction.</p> <p>Location: 1st Floor, Building-3 (Cutting Building)</p>	<p>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 arrangements 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.</p>	Within 3 months
				

F-10	Fire Rated Construction	<p>Rooms used for storage of combustible materials are not separated from the surrounding occupancy/areas & floors due to non-functional fire door. Fire door was kept open by external object.</p> <p>Location: Building-3 (Cutting Building), 1st Floor & Ground floor.</p>	<p>Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction.</p>	Within 3 month
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F-11	Means of Egress	<p>The exit discharge path of South stair was found obstructed.</p> <p>Location: South exit, Building-3 (Cutting Building)</p>	Remove obstruction from the egress path.	Immediately
				

F-12	Means of Egress	<p>Building did not have stair designation signs or occupant load signs at the required locations.</p> <p>Location: Ground Floor, Building-3 (Cutting Building)</p>	<p>Provide stair designation signs and occupant load signs at the required locations.</p>	<p>Within 1 month</p>
F-13	Means of Egress	<p>Evacuation map was not found.</p> <p>Location: Ground Floor, Building-3 (Cutting Building)</p>	<p>Provide evacuation map at the entrance of all exit stairs and exits.</p>	<p>Within 1 month</p>

F-14	Means of Egress	Open guards in exit stair have excessive gap in between rails. Location: Building 3	Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.).	Within 1 month
				

F-15	Fire Alarm & Detection System (FADS)	Fire alarm and detection system installation requires detailed review to confirm compliance with NFPA 72 and RSC standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review. Modification (if required) shall have to be done as per the reviewed design and NFPA-72. Upon review & modification (if required) the owner shall verify the system by himself and apply RSC for final acceptance testing.	Design within 2 months, Install within 4 months.
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F-16	ITM of Fire Alarm & Detection System (FADS)	Inspection, testing, and maintenance for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 1 month (After installation)
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F-17	No smoking sign	The required no smoking signs are not present in the factory.	Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs.	Within 1 month
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