

FIRE SAFETY INSPECTION REPORT

Factory Name: Cute Dress Industry Limited

ACCORD ID: 12239

ADDRESS: Bathuli, Shaha Belisshor, Dhamrai

Other Factories: None



**Inspected By: Md. Atick Al Zaman,
Date: 31 October, 2018.**

Fire Safety Inspection Report

Factory Name: Cute Dress Industry Limited

Introduction:

Cute Dress Industry Limited was surveyed for fire safety on 31 October, 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. 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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Handrail	Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation. Or, Handrails are not provided at exit stairs.	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.	Within 3 months





2	Fire Rated Construction	<p>The exit stair enclosures are separated from work areas and other spaces on each floor by fire-rated construction. Fire Doors have been provided with proper hour rating. But doors are kept open and installation of magnetic hold open device to interface with Fire Alarm System have been done but the devices are not interfaced with any approved FACP. Moreover Exit stair enclosures have unprotected openings within 10 feet towards production floor at two stairs.</p>	<p>The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2-hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories.</p> <p>Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer.</p> <p>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
---	-------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------





3	Fire Rated Construction	<p>Rooms used for combustible storage are not separated by fire rated construction. Location: wastage go down shed at ground floor adjacent to the mail building</p>	<p>Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction.</p>	Within 3 months
---	-------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------



4	Fire Rated Construction	Areas used for in-process storage of combustible materials are open to the surrounding occupancy (specify the occupancy/area, location)	<p>Provide defined storage areas and limit the storage arrangement as follows:-</p> <ol style="list-style-type: none"> 1. 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. 2. 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 style="text-align: center;">or</p> <ol style="list-style-type: none"> 3. Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction. 	Within 3 months
---	-------------------------	-----------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------





5	Opening/Penetration	Penetrations through floor/ceiling assemblies 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 months
---	---------------------	-------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------





6	Gas Cylinder	Flammable gas storage area is not separated by fire-rated construction (openings, non-rated doors, penetrations) from the west exit stair discharge path.	Separate the flammable gas cylinder storage area by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations.	2 weeks
---	--------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------



7	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 1 month
				
8	Opening/ Penetration	Unsealed penetrations and openings are located in exit stair enclosures.	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.	3 months





9	Fire Rated Construction	Electrical panel were found inside the exit stair case.	Remove all electrical panel from inside the exit stair case	within 3 month
---	-------------------------	---------------------------------------------------------	-------------------------------------------------------------	----------------



10	Fire Detection and Alarm System	The existing fire alarm & detection system is not installed properly. Still few areas are out of detection system.	Submit the as-built design/drawing of fire alarm & detection system to Accord for review.	Design within 3 months and installation within 9 months
----	---------------------------------	--------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------	---------------------------------------------------------



11	Fire Protection System (ITM)	Inspection, testing, and maintenance for the fire alarm system is not in accordance with NFPA 72 or as per Accord standard.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72 or as per Accord standard.	Within 3 month (After completion of the installation)
12	Fire Protection System	The existing factory building with an occupiable floor greater than 10 m (33 ft) above the finished grade is not protected with an approved standpipe system. Reviewed design was not found during follow-up inspection	Submit the as-built design of fire fighting system to Accord in accordance with NFPA 14 & installation should be as per the reviewed design	Design within 3 months and installation within 9 months





13	Fire Protection System (ITM)	Inspection, testing & maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect , test & maintain the standpipe system & keep written records on - site , in accordance with NFPA 14.	Within 03 months (After complete installation)
14	Inspection, testing, and maintenance	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 Months



15	Inspection, testing, and maintenance	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and ACCORD standards.	Within 3 Months
16	Stair designation	Building did not have stair designation signs and occupant load signs at required locations.	Provide stair designation signs and occupant load signs at required locations.	1 week

