

FIRE SAFETY INSPECTION REPORT

Purbachal Apparel Ltd

ACCORD ID: 23273

South Panjora, Ward- 05, Nagori, Gazipur

OTHER FACTORY (S): NONE



Inspected By: Mohd Atick Al Zaman

Date: 10 June, 2018

Fire Safety Inspection Report

Purbachal Apparel Ltd

Introduction:

ACCORD ID: 23273

Purbachal Apparel Ltd was surveyed for fire safety on 10th June 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 :


Following table 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.

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	The exit stairs enclosures are not separated from work areas and other spaces on each floor by fire-rated construction(Non rated doors, unsealed penetrations and openings etc.) Building-2.	Provide minimum 1-hr rated doors for buildings with 3 or fewer stories and 1.5-hr fire rated doors for buildings that are 4 or more stories. 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. Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets.	Within 3 months



2	Fire Detection and Alarm System	The fire detection and alarm system is antiquated, not a listed system and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire detection system with a new, listed addressable fire detection system in accordance with NFPA 72.	Design within 4 months, Install within 9 months
3	Single Station Smoke Alarm	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Within 3 months



4	Locking system of egress doors	Doors along means of egress are provided with non compliant locking system. Location: Dining area.	<ol style="list-style-type: none"> 1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 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. 	Within 3 months
				
5	Opening/Penetration through Floor/Ceiling	Penetrations through floor/ceiling assemblies are found unsealed.	<p>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.</p> <p>Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.</p>	Within 3 months




6	Storage Areas	Areas used for combustible storage are not separated by fire-rated construction	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none">- Maximum height of 2.4m and maximum area of 23m²- If sprinkler protected: maximum height of 3.66m and maximum area of 93m² <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m</p>	Within 3 months
---	---------------	---	--	-----------------




7	Storage Areas	Rooms used for combustible storage on the ground floor are not separated by fire-rated construction. Location: ground floor	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
---	---------------	---	--	-----------------



8	Discharge path	The exit discharge paths serving the Northwest exit stairs were less than 10 ft wide and were not separated from the building interior.	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. Alternatively, provide a second remote discharge path to the public way (only include this if feasible)	Within 3 months
				
9	Boiler room	Boiler or furnace room is not properly separated by fire rated construction with other Occupancies/Areas.	1. Boilers or other heat producing equipment shall be separated from other occupancies by a minimum 1-hr (2-hr for highrise building) fire rated construction (wall, floor, slab etc). Seal all penetrations and openings (door, window etc.) should be protected by 0.75-hr (45 min) fire rated materials to maintain the fire separation if required. All exhaust systems shall discharge to the exterior of the building in a safe location. Or Relocate it to exterior of the building and maintain a minimum 3m (10 ft.) spatial separation distance from the building.	Within 3 months



10	Egress Lighting	<p>Based on the number and location of emergency lights/exit signs observed, adequate illumination levels are not anticipated along egress routes. Location: All through the building.</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>	Within 3 months
11	Inspection, testing, and maintenance	<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>	Within 3 months
12	Fire Detection and Alarm System-ITM	<p>Inspection, testing, and maintenance (ITM) 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>	Within 3 months (After complete installation)

13	Fire Extinguishers (ITM)	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 onsite, in accordance with NFPA 10 and ACCORD standards.	Within 3 months
14	Door Swing	Egress door serving 50 or more occupants but does not swing in the direction of egress travel.	Modify swing direction of egress doors to the direction of egress travel. Doors serving an occupant load of more than 50 shall swing in the direction (outward) of egress travel .	Within 1 month
				

15	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.	Within 1 month
----	-------------------	--	--	----------------