

INITIAL FIRE SAFETY INSPECTION REPORT

Factory Name: Four H Fashions Ltd.

RSC ID: 24131

ADDRESS: 2852/A Chandgaon I/A, Mohora, Kalurghat, Chandgaon, Chittagong.

Google co-ordinate: 22.396692, 91.864365

Other Factories: None



Inspected By: Md. Ferdaus Jaman & Tarif Raihan

Date: 16-Feb-2021

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 RSC for approval.

Table-1: Building 01-Production building

Sl No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction on 1st floor (finished goods store).	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.	Within 3 months
				

2	Fire Rated Construction	Areas used for combustible storage are not separated by fire-rated construction. Location: Fabric and accessories store on ground floor, finished goods store on 1st floor and open storage area on 4th floor.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Or, Where separate storage rooms are not feasible, Provide defined storage areas and limit the storage arrangement as follows:- 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.	Within 3 months
 				

3	Fire Rated Construction	The north-west and south-east exit stair discharges are not separated by fire-rated construction from the office areas, doctor's room, loading/unloading area and other spaces due to unprotected opening on ground floor of production building.	Separate the exit discharge from the office areas, doctor's room, loading/unloading area and other building spaces by a minimum of 2-hr fire-rated construction. Provide 1.5 -hr fire-rated doors and seal all unprotected openings and penetrations to maintain fire separation. Ensure that the fire doors are self-closing and positive latching and that they are provided with a 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 6 months
				
4	Fire Rated Construction	Elevators are installed in the exit stair enclosure and not fire rated.	Modify the elevator and stair enclosure arrangement in a way to satisfy Accord standard 6.14.3. Elevator shall not open into an exit enclosure. Elevator landing door shall be of 1.5-hr fire rated.	Within 4 months

				
5	Fire Rated Construction	Dining area and other areas (i.e idle machine zone, training room, conference room, sample display room and LAB room) is not separated by fire-rated construction (openings, non-rated doors, penetrations). Location: On 6th floor.	Separate the dining area from others occupancy by a minimum 2- hr fire-rated construction. Seal and/or protect all openings to maintain the required fire separations.	Within 3 months
				

6	Fire rated construction	Unsealed penetrations and openings (VRF AC pipe riser) are located in the fire rated floor/ceiling assemblies. Location: On ground to 5th floor.	Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor level. or Seal all penetrations and openings in floors/ceiling assemblies by listed fire rated materials to maintain the fire separation.	Within 3 months
 				

7	Fire rated construction	Unsealed penetrations and openings (i.e. bathroom plumbing pipes) are located on several locations (i.e. Fabric store and accessories store on ground floor) in the fire rated floor/ceiling assemblies.	Seal all penetrations and openings in floor/ceiling (full thickness of the floor/ceiling: minimum 2 hr.) assemblies by third-party certified fire rated materials to maintain the fire resistance rating. or Provide a minimum 2-hr fire rated shaft to separate the utility risers from each floor if required.	Within 3 months
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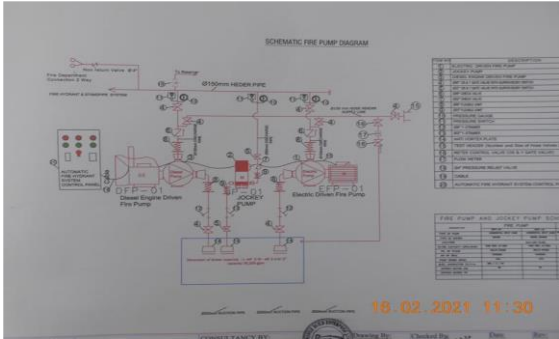


8	Means of Egress	Exit capacity is not adequate for the occupant load. Exit capacity is not adequate for the occupant load of dining hall on 5th floor of the production building. Available capacity of the dining hall was 403 and occupant load was found more than 490.	Reduce occupant load to not more than available exit capacity. or Provide additional exits to increase the exit capacity.	Immediately
				
9	Means of Egress	Obstruction (RO plant) was located at top of south-east exit stair.	Keep egress path and exit stair free from obstructions/storage.	Within 1 months

				
10	Means of Egress	Storage materials were located inside of exit stairs and egress paths on several floors. Location: On ground and 2nd floor.	Keep egress path and exit stair free from obstructions/storage.	Immediately
				

11	Means of Egress	Egress doors/gates with locking features not complying with NFPA101 are provided at building exits, exit stairs, along egress routes, exit discharge on several locations.	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101.	Immediately
				
12	Fire Detection and Alarm System	Automatic fire alarm & detection system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval. Installation shall be as per the reviewed design with listed equipment.	Design within 2 months, Modification within 4 months

 16.02.2021 13:38  16.02.2021 13:37  16.02.2021 13:17  16.02.2021 13:37				
13	Fire Protection System	The existing building has an occupied floor greater than 10 meter (33 feet) and requires standpipe system detailed review to confirm compliance with NFPA 14 and ACCORD standards.	Submit the as-built design of standpipe system to RSC in accordance with NFPA 14. Installation shall be as per the reviewed design with listed equipment.	Design within 2 months, Modification within 4 months
 16.02.2021 13:33  16.02.2021 16:49  16.02.2021 16:47  16.02.2021 16:45				

14	Fire Protection System	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards.	Submit the as-built design of fire pump system to RSC in accordance with NFPA 20. Installation shall be as per the reviewed design with listed equipment.	Design within 2 months, Modification within 4 months
 				
15	Fire Detection and Alarm System-ITM	Inspection, testing, and maintenance (ITM) 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 3 months

16	Fire Protection System-ITM	Inspection, testing and maintenance (ITM) of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14 and ACCORD standards.	Within 3 months
17	Fire Protection System-ITM	Inspection, testing and maintenance (ITM) of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20 and ACCORD standards.	Within 3 months
18	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.	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.	Within 3 months

		 Inadequate emergency lighting unit 16.02.2021 14:48	 Inadequate Emergency Lights 16.02.2021 16:41	 Emergency light not provided 16.02.2021 16:47
19	Egress Lighting	The directional signs are not provided where there is a change in direction and where the continuation of the egress path is not obvious. Location: On all floors.	Install 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.	Within 1 month
		 Direction sign not provided 16.02.2021 16:40	 No directional sign 16.02.2021 13:53	

20	Egress Lighting	Emergency power is not provided/connected with some directional sign/exit sign and emergency light units on several floors.	Provide emergency power connection with the directional sign/exit sign and emergency lighting units.	Within 1 month
 Exit sign without emergency power  Emergency light without emergency power backup				
21	Egress Lighting (ITM)	Inspection, testing, and maintenance for the emergency lighting system were not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months