

INITIAL FIRE SAFETY INSPECTION REPORT

Bravo Apparel Manufacturer Ltd.

Factory ID: 24174

Google Co-ordinate: 90.4051118, 23.8988797

ADDRESS: Alam Tower, Hemerdigi, Tongi I/A, Tongi-Gazipur

Other Factories: N/A



Inspected By: Monsurul Akram Azim & Md. Foysal Ahmed

Date: 17-02-2021

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:

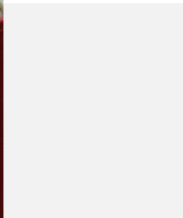
SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	Door coordinators and smoke seals were not properly functional on most of the doors.	Provide minimum 1.5-hr fire rated doors to separate the exit stairs from work areas and other building spaces on all floor levels. 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	Within 3 months

				
2	Fire Rated Construction	Exit stair-1 (South-East) is discharged the occupants inside the building at ground floor	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). Note: A maximum of 50 percent of the number and capacity of the exit enclosures can discharge through areas on the level of exit discharge where all the conditions described in Accord building standard 6.17.3 are met	Within 3 months



3	Opening/Penetration to Exit enclosure	Unsealed penetrations and openings are located in exit stair (Stair-1) 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.	Within 3 months
---	---------------------------------------	--	---	-----------------

				
4	Fire Rated Construction	Room used for combustible storage are not separated by fire rated construction located at several floors	Separate the storage room by a minimum 1- hr fire-rated construction. Seal and/or protect all openings to maintain the required fire separations. Openings from exit enclosure to storage spaces shall be provided with a vestibule with fire rated construction and openings. Provide a 1.5-hr. fire rated door on the exit stair side and a 1-hr. fire rated door on the storage room side. Ensure that the fire rating of the vestibule construction matches that of the exit stair enclosure.	Within 3 months

  				
5	Fire Rated Construction	Unsealed electrical riser is located in the fire-rated floor/ceiling assemblies	Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level and seal all penetrations in floor/ceiling assemblies to maintain the fire separation	Within 3 months
  				

RSC - Bangladesh RMG Fire Safety Inspection

6	Fire Rated Construction	Dining is not separated from female prayer room on 8th floor	Re-locate the dining area or separate the dining area from other occupancies with 2-hr fire rated construction. & Provide required exits that lead directly to the street or exit stairwell or leading to a corridor or open space.	Within 3 months
				
7	Egress	Building does not have occupant load signs at required locations in several floors	Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space	Within 1 month

RSC - Bangladesh RMG Fire Safety Inspection

8	Egress	Fire evacuation maps was not posted at the entrance of exit stair in several floors	Fire evacuation maps shall be posted at the entrance to each exit stair	Within 1 month
9	Egress Lighting	Directional signs are not provided where direction of the path of travel to an exit has changed	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 2 months



ADD PHOTO



RSC - Bangladesh RMG Fire Safety Inspection

10	Fire Protection system	The highest occupied floor of existing building is more than 75 ft. above grade where automatic combined sprinkler system is mandatory and factory has installed automatic sprinkler system along with Class-III standpipe system. Combined sprinkler system installation requires detailed review to confirm compliance with NFPA 13, 14, 22,24 & 25 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval.	Within 3 months
 				

RSC - Bangladesh RMG Fire Safety Inspection

	Fire Protection System (Fire Pump)	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the RSC for review and approval	Within 3 months
				
11	Inspection Testing and Maintenance of Fire Pump System (ITM)	Inspection, testing and maintenance 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

RSC - Bangladesh RMG Fire Safety Inspection

12	Fire Alarm & Detection System	Fire 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.	Within 3 months
				
13	Means of Egress	Elevator installed in 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



14	Emergency Light	Manual on-off switch is provided for [emergency lighting / exit signage] units in most of the floors	Remove manual on/off switches from [emergency lighting /exit signage] units to prevent them from being switched off	Within 1 month
----	-----------------	--	---	----------------



D PHOTO



15	Handrails	Handrails are not provided on intermediate landing of exit stairs on all floors, may pose as a falling hazard during evacuation	Provide handrails on intermediate landing 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
----	-----------	---	---	-----------------

 DD PHOTO 				
16	Electrical panel board located on staircase	Electrical panel board for elevator were located in 8th floor exit stair enclosures	Remove and re-locate all electrical panels from exit stair enclosures	Within 3 months

 				
17	Guard rail	No guard rail provided for south side of the main production building on several floors	Provide guard rail on open side with minimum height 42 inches.	Within 3 months

 ADD PHOTO 				
18	Fire rated construction	The [boiler/generator/air compressor] rooms are not separated by fire rated construction due to penetrations Location: Utility Building-1	Separate the [Boiler/generator/air compressor] rooms by a minimum 2-hr fire rated construction. Seal and/or protected all openings to maintain fire separations	Within 3 months

 				
19	Fire rated construction	Security room-1 is not separated from RMS room	Separate the security room from RMS room by a minimum 2-hr fire rated construction. Seal and/or protected all openings to maintain fire separations	Within 3 months

