




FIRE SAFETY FOLLOW UP INSPECTION


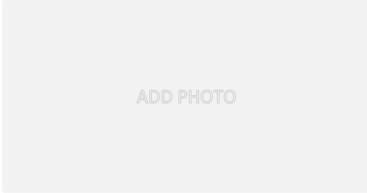
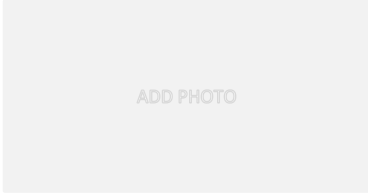
Factory Name	UTAH Fashions Ltd		Accord ID	9532
Address	South Shalna, Shalna Bazar Gazipur Gazipur Dhaka Bangladesh			
Inspection Date	24/04/2014		Report Received Date	
Date of 1st Follow-up	14/10/2015	Date of 2nd Follow-up	02/03/2016	
Date of 3rd Follow-up	02/03/2017	Date of 4th Follow-up	30/05/2017	
Date of 5th Follow-up	14/09/2017	Date of 6th Follow-up	05/09/2018	
Date of 7th Follow-up		Date of 8th Follow-up		
Date of 9th Follow-up		Date of 10th Follow-up		
Date of 11th Follow-up		Date of 12th Follow-up		
Date of 13th Follow-up		Date of 14th Follow-up		
Inspected by	Md. Mah Mudur Rahman and Md. Tarif Raihan			

Item No	Accord Observation	Accord Recommendation	Timeline given by Accord	Comments after Physical Inspection	Supposed to complete(DD/MM/YYYY)	Final Action Plan (Factory)	Status on the date of Inspection	Pictorial Evidence
1	Although storage racks and shelves may be compliant, no design specifications were available for review and therefore no indication of class of commodity considered.	Provide design specifications for installed (and new) sprinkler systems and provide evidence compliance of racks and shelves for class of commodity storage.	11/21/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected as per previous follow up. On 05/09/2018: Corrected as per previous follow up.	'31/03/2017	Corrected	Corrected	ADD PHOTO
2	Factory has a hose reel system only. In each floor, there is a Type II (38mm) standpipe system. There is no Type I (65mm) standpipe in each stair as per standard.	Install or revise existing standpipe system at required locations designed by a qualified fire protection engineer. System should include rated fire pump and Class III standpipe hose connections (65 mm) in each stairwells at each floor level including occupiable roofs.	11/21/2014 12:00:00 AM	On 14/09/2017: Installation is almost completed. Testing and commissioning of the system will be done by Accord. On 05/09/2018: Corrected. Factory has installed sprinkler system and provided class I connection in the exit stair as per standard.	'31/03/2017	Corrected.	Corrected	

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3	Exit enclosures are not provided with fire-resistive rated construction barriers (doors are MS with glass window) Alliance Standards Part 4 Section 4.5 Separation. Exits are not protected by fire doors.	Factory will need to install fire rated door assemblies at all exits (1.5 hour rating). Fire doors assemblies shall conform to NFPA 252, BS 476 Part 22, EN 1364-1, GB 12955-2008, or IS 3614. Part II. Doors must remain in closed position or be of self-closing type. 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	11/21/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected as per previous follow up. Note: Retrofitting work is going on. On 05/09/2018: Corrected as per previous follow up.	'10/04/2016	Corrected	Corrected	
4	Sprinklers were installed in storage areas. No design specifications were available for review.	Provide design specifications for installed (and new) sprinkler systems and provide evidence of installation at the heights designated in the design.	11/21/2014 12:00:00 AM	On 14/09/2017: Installation is almost completed only some few work is pending as building retrofitting work is going on. On 05/09/2018: T & C has been done. Factory has installed sprinkler system as per reviewed design and during testing commissioning it was properly functional. The factory needs to maintain in process storage in the production floor based on type of sprinkler which have considered in the design . Alternatively the factory can change the sprinkler heads if required.	'31/03/2017	Corrected. .	Corrected	

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5	Factory has a pump installed for sprinkler and hose system. The pump is not an automatic rated fire pump.	Installation of approved standpipe (mentioned elsewhere) and new sprinkler systems will require the installation of rated fire pump(s). Install the fire pumps in accordance with NFPA 20. Consult with a qualified fire engineer to properly design and install pump system.	11/21/2014 12:00:00 AM	On 14/09/2017: Pump installation is completed. Its an integrated part of fire fighting system and system commissioning will be done by Accord. On 05/09/2018: T & C has been done. Pumps were found properly functional during T & C. Very few number of control valves weren't supervised (work was running during T & C). The factory has provided evidence of completion work after inspection. It is required to check interfacing of those control valves during next follow up inspection.	'31/03/2017	Corrected.	Corrected	
6	Factory has an automatic fire alarm system with smoke detection, however, the beam depth of working floor is 34 inch, and smoke detector are not placed in each compartment.	Install sufficient smoke/heat detectors as per NFPA 72. All separate compartments should have a smoke detector. Consult with fire engineer for assistance to comply with NFPA 72.	11/21/2014 12:00:00 AM	On 14/09/2017: Installation is mostly completed and retrofitting work is going on. On 05/09/2018: T & C has been done. Factory has installed alarm system as per reviewed design. The factory needs to update the as built design as per site condition. Power source of FACP shall be marked as advised during T & C. Note: The building is provided with sprinkler system and it is properly interfaced with fire alarm system. Fire detectors have used only where sprinklers have not been provided.	'31/10/2016	Corrected.	Corrected	


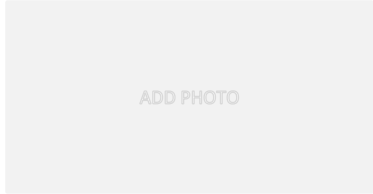
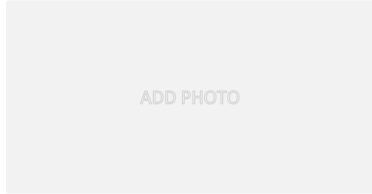
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7	A sprinkler system is provided for the storage good area, however, based on Alliance standard, a sprinkler system is required for entire building.	Install an automatic sprinkler system throughout the building designed by a qualified fire protection engineer. The design of the current system should also be reevaluated to assure conformance to NFPA 13	11/21/2014 12:00:00 AM	On 14/09/2017: Installation is almost completed only some few work is pending as building retrofitting work is going on. On 05/09/2018: Corrected. Sprinkler system has been installed as per standard.	'31/03/2017	Corrected.	Corrected	
8	Combustible materials were observed stored under cutting tables on Ground Floor	Remove all combustibles stored underneath the cutting tables at the noted locations.	6/30/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: T & C has been done. Factory has installed sprinkler system as per reviewed design and during testing commissioning it was properly functional. The factory needs to maintain in process storage in the production floor based on type of sprinkler which have considered in the design . Alternatively the factory can change the sprinkler heads if required.	'02/03/2016	Corrected	Corrected	

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9	As noted elsewhere, factory does not have a compliant standpipe system (hose reel system only) and does not have fire department connections as required.	Upon installation of compliant standpipe system, fire department (Siamese) inlet connections should be installed to allow fire department pumper equipment to supplement the fire protection systems. Signage for standpipe system is not in compliance with NFPA 14 Chapter 6 (e.g. no sign on Fire Department connection indicating STANDPIPE in 1 in lettering)	11/21/2014 12:00:00 AM	On 30/05/2017: It is an integrated part of fire fighting system. On 14/09/2017: Corrected. Provided. On 05/09/2018: Corrected as per previous follow up.	'31/03/2017	Corrected	Corrected	
10	It was noted during the assessment that some sagging on pipes were marked due to lack of hangers.	Install hangers, bracing, and restraints at appropriate locations to support the system piping at the noted locations.	11/21/2014 12:00:00 AM	On 30/05/2017: Corrected based on Alliance follow up and report. On 14/09/2017: Corrected based on previous follow up. On 05/09/2018: Corrected as per previous follow up.	'31/03/2017	Corrected	Corrected	
11	No sprinkler design criteria was available for review and therefore compliance with aisle width could not be confirmed.	Provide design specifications for installed sprinkler systems and provide evidence of aisle widths designated in the design.	11/21/2014 12:00:00 AM	On 30/05/2017: Corrected based on Alliance follow up and report. On 14/09/2017: Corrected based on previous follow up. On 05/09/2018: Corrected as per previous follow up.	'26/05/2016	Corrected	Corrected	




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12	The factory had not designated a chemical storage room for their chemicals (flammable and otherwise). Additionally, fuel was being stored in outdoor areas in direct sun.	Flammable chemicals should be stored per BNBC Part 3 Section 2.13. Factory should designate a storage area for flammable chemicals that is separated from other occupancies by fire rated construction including fire rated door assembly. Area should have proper spill control and containment, proper ventilation, and fire suppression equipment as per standard.	6/20/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	
13	Valves are not electrically supervised by a fire alarm control unit. (The water sprays with gravity pressure only).	As noted elsewhere, install properly designed and rated fire pump to provide hydraulic pressure per design. Provide electrically supervised devices on the valves controlling the automatic sprinkler systems. Devices are to be supervised by a listed fire alarm system control unit.	11/21/2014 12:00:00 AM	On 14/09/2017: Installation is almost completed only some few work is pending as building retrofitting work is going on. On 05/09/2018: Corrected. Valves are supervised with alarm system.	'31/03/2017	Corrected.	Corrected	
14	Occupant loads are not posted for every assembly and production floor in a conspicuous space near the main point of egress as per Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load.	Post maximum occupant load for all areas (near exit)	7/4/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	

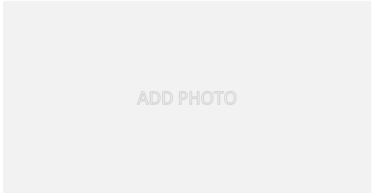
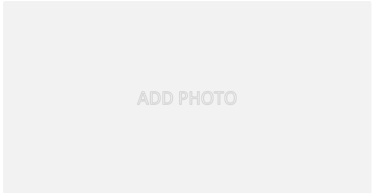
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15	Re-entry requirements have not been met per Alliance Standards Part 6 Section 6.8.3.1 as fire rated door assemblies with proper latching systems have not been installed.	During installation of fire rated door assemblies assure that every door in a stair enclosure serving more than 4 stories is provided with re-entry unless it meets the requirements of Alliance Standards Part 6 Section 6.8.3.1.	11/21/2014 12:00:00 AM	On 02/03/2016: Corrected On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected as per previous follow ups. It shall be proper. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	
16	Handrails not provided on both sides of each stairway as per Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards	Handrails shall be provided on both sides of each exit stairway and ramp. 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.	11/21/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	
17	Ground floor emergency lighting was suspected of being insufficient to provide the necessary illumination. No evidence or documentation of testing was available for review.	Confirm through testing (light meter) or other certification that all means of egress will have illumination of 10 lux for all corridors, exit doors, and stairways and no less than 30 min in the event of failure of normal lighting.	11/21/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected based on previous follow ups. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	


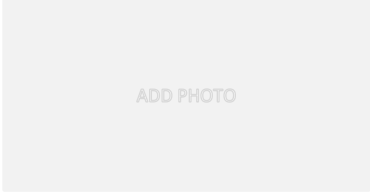

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18	Fire extinguishers in front of office area were not properly mounted in conformance with BNBC Part 4 Section 4.10 and NFPA 10	Mount fire extinguishers at heights as per BNBC Part 4 and NFPA 10.	7/28/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	
19	Combustible materials (waste) was being stored in uncontrolled manner on building site. Additionally, a large amount of combustible waste was observed in lift area.	Designate a specific, secured area for the storage of waste. Waste should be segregated by type and organized. Hazardous waste should be separated from non-hazardous waste. Fire suppression equipment (extinguishers) should be available in the area. Do not permit waste to build up in areas such as elevator lobby. Remove waste in timely manner.	6/30/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected as per previous follow ups. Area limitation shall be followed. On 05/09/2018: Corrected as per previous follow up.	'31/03/2016	Corrected	Corrected	
20	No documents showing inspection, maintenance and testing procedures of the existing pump.	As noted elsewhere, a rated fire pump should be installed for sprinkler and standpipe systems. Once installed, establish an inspection, maintenance, and testing program for the fire pump. Program must comply with NFPA 25	11/21/2014 12:00:00 AM	On 14/09/2017: Corrected. ITM is found for the installed pump. On 05/09/2018: Corrected as per previous follow up.	'31/03/2017	Corrected	Corrected	

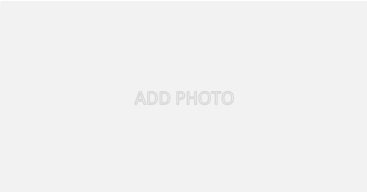
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21	As noted elsewhere, factory does not have a standpipe system as defined by Alliance standard (only hose reel system with Class II connections and rooftop gravity tank).	Any newly installed or revised standpipe system needs to be evaluated for compliance with the design pressure and flow demands of NFPA 14 or BNBC as cited in 5.4.3.	11/21/2014 12:00:00 AM	On 14/09/2017: Corrected. ITM is found for the installed system. On 05/09/2018: Corrected as per previous follow up.	'31/03/2017	Corrected	Corrected	
22	As noted elsewhere, factory does not have a standpipe system as defined by Alliance standard (only hose reel system with Class II connections and rooftop gravity tank).	Upon installation of compliant standpipe system, include required identification signs at the noted locations. Signage must comply with NFPA 14.	11/21/2014 12:00:00 AM	On 14/09/2017: Corrected. Signage is provided for the installed system. On 05/09/2018: Corrected as per previous follow up.	'31/03/2017	Corrected	Corrected	
23	During review of the organizational chart it was noted that no fire safety officer/ director position was available or had been filled.	Create a Fire Safety Director position and fill the position with an individual that has had sufficient training to be able to carry the required duties.	11/21/2014 12:00:00 AM	On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	

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24	The factory has yet to establish Fire Department Pre-planning.	Complete fire department pre-planning activities with the local Fire Service and Civil Defense.	7/4/2014 12:00:00 AM	On 02/03/2016: Corrected On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	
25	Factory does not have hot-work permit program (internal or contractors) as per Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B	11/21/2014 12:00:00 AM	On 02/03/2016: Corrected On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	
26	It was noted during the assessment that no housekeeping policy was established at the factory.	As a general rule the maximum tolerable deposit thickness for loose fluffly lint is 13 mm (½ in.) over a maximum of 46.5 m2 (500 ft2). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅙ in.).	2/13/2015 12:00:00 AM	On 02/03/2016: Corrected On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	

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27	During the assessment it was noted that no records were present. Assessors could not determine if the inspection, maintenance, and testing procedures of the sprinkler system were up to date.	Establish maintenance program that includes the requirements established in NFPA 25.	11/21/2014 12:00:00 AM	On 14/09/2017: Its an integrated part of fire fighting system and system commissioning will be done by Accord. On 05/09/2018: Corrected. Maintenance record has been done according to NFPA.	'31/03/2017	Corrected.	Corrected	
28	Identification signs for the sprinkler system were not installed as per NFPA 13.	Install identification signage at the required locations for all existing (and newly installed) sprinkler systems. The five basic types of identification signs are as follows: Type A- Control Valve Sign Type B- Multi-Purpose Text Signs (See Below) Type D- Fire Alarm Sign Type E- Hydraulic Calculation Sign Reference NFPA 13 for signage requirements	11/21/2014 12:00:00 AM	On 14/09/2017: Installation is almost completed only some few work is pending as building retrofitting work is going on. On 05/09/2018: Corrected. Signs has been installed.	'31/03/2017	Corrected.	Corrected	
29	Automatic sprinkler systems installed in storage areas do not have an approved audible device activated by waterflow equal to the flow of one sprinkler.	Install an approved audible device connected to every automatic sprinkler system (existing and newly installed) and activated by waterflow equal to the flow of one sprinkler. Activation of the waterflow shall activate the fire alarm system.	11/21/2014 12:00:00 AM	On 14/09/2017: Installation is almost completed only some few work is pending as building retrofitting work is going on. On 05/09/2018: T&C has been conducted by ACCORD. Sprinkler system has been installed as per standard.	'31/03/2017	Corrected.	Corrected	

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30	New Finding: Egress door does not swing in the direction of egress travel. (roof level)	Modify swing direction of egress doors to the direction of egress travel.		On 02/03/2016: Corrected On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	
31	New Finding: Elevator shaft is not separated by proper fire rated construction (non rated doors)	Provide a minimum 2-hr fire rated elevator shaft to separate it from each floor. Seal and/or protect all openings to maintain fire separations		On 02/03/2016: Corrected On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected as per previous follow up. On 05/09/2018: Corrected as per previous follow up.	'27/11/2016	Corrected	Corrected	
32	New Finding: Exit capacity (= maximum 393 persons) is not adequate for the occupant load (6th floor- 670, other sewing floors- 480 etc.). There are only 2 stairs.	1. Provide additional stair to increase exit capacity. 2. Reduce occupant load to not more than available exit capacity.		On 02/03/2016: Corrected On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected as per previous follow ups and factory provided document. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	

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33	New Finding: Unsealed penetrations and openings are located in Boiler room which discharges in the production floor.	Seal all penetrations and openings which discharges in the production floor in the wall of boiler (full thickness of the wall) by fire rated materials to maintain the fire resistance rating.		On 02/03/2016: Corrected On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'02/03/2016	Corrected	Corrected	
34	New Finding: Control room inside the generator room is not separated by fire rated construction; the stair of that room is discharging inside the generator room	Provide a stair which will discharge outside directly for a safe egress		On 02/03/2016: Corrected On 30/05/2017: Corrected as per previous follow up. On 14/09/2017: Corrected. On 05/09/2018: Corrected as per previous follow up.	'10/04/2016	Corrected	Corrected	
35	New Finding(2nd Follow-Up): The dining area and prayer room in the third floor is not separated from adjacent production floor area by fire rated construction.	Separate the dining area and prayer room by a minimum 3-hr fire-rated construction having a direct access to exit stair. Seal and/or protected all openings to maintain the required fire separations.		On 02/03/2016: In progress. On 30/05/2017: No action has been taken yet. On 14/09/2017: Fire door installed but ventilation opening not sealed yet. On 05/09/2018: Corrected . Fire door installed and opening has been sealed.	'30/11/2016	Corrected. We have already separated the dining and prayer room.	Corrected	

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36	New Finding from 3rd Follow Up: Liquefied or compressed gas cylinders were located within the factory Premise	The storage or use of liquefied or compressed flammable gas cylinders shall be prohibited within the factory building.	1 month	On 02/03/2016: New Finding. On 30/05/2017: No action has been taken yet. On 14/09/2017: Corrected. Not found during inspection. On 05/09/2018: Corrected as per previous follow up.	'02/04/2017	Corrected	Corrected	
37	New Finding (4th Follow-up): Penetrations through floor/ceiling assemblies from steam line at iron section are found unsealed on most of the floors at east side of the building.	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.	within 1 month	New Finding (4th Follow-up) On 14/09/2017: Corrected. Sealed. On 05/09/2018: Corrected as per previous follow up.	'30/06/2017	Corrected	Corrected	