











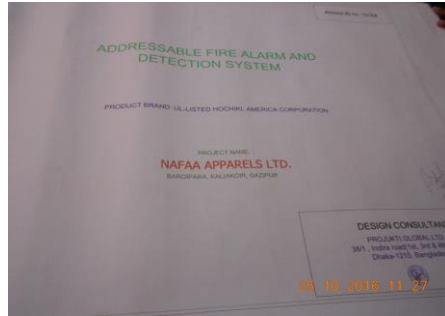
FIRE SAFETY FOLLOW UP INSPECTION


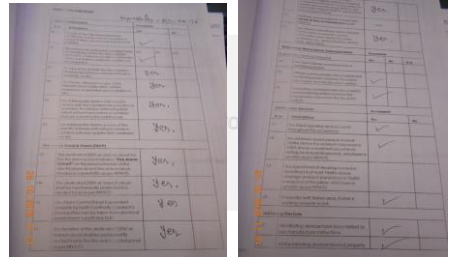


Factory Name	Nafa Apparels Ltd.(Former Palmal Knitwear Factory Ltd)		
Address	Hizalhati, Baroipara, Kaliakoir, Gazipur		
Inspection Date	04/09/2014		
Date Report Received	05-December/14		
Date of 1 st Follow-up	20-May/15	Date of 2 nd Follow-up	01-February/16
Date of 3 rd Follow-up	17-April/16	Date of 4 th Follow-up	08-June/16
Date of 5 th Follow-up	25-October/16	Date of 6 th Follow-up	
Inspected by	Mahfuza Khanom		

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	The boilers, generators, and transformer are not separated from adjacent areas by fire-rated construction (openings, penetrations).	Separate the boilers, generators, and transformer by a minimum 2-hr fire-rated construction. Seal and/or protect all openings to maintain the required fire separations.	Within 3 Month	<p>On 01/02/2016: Corrected. If fire doors are required to be held open for functional reasons, provide automatic closing devices and interface with the fire alarm system.</p> <p>On 17/04/2016: Corrected.</p> <p>On 08-06-16: Corrected. If the factory wants to keep the doors open than they have to use magnetic door holder interfaced with fire alarm control panel.</p> <p>On 25/10/2016: Corrected. Fire doors have been found closed in boiler and transformer room.</p> <p>Note: If the factory wants to keep the fire door open, they will require to provide automatic door closer interfacing with FACP system.</p>	31/12/2015	Corrected	Corrected	 
2	<p>Areas used for combustible storage are not separated by fire-rated construction.</p> <p>Locations: -Storage rooms on all floors with ventilation ports along the walls and open, gated doors that compromise the fire barrier. -General storage on multiple floors was open to production areas</p>	<p>Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - 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>	Within 3 Month	<p>On 01/02/2016: No action has been taken yet.</p> <p>On 17/04/2016: Partially Corrected. Store separation work is almost finished. Factory personnel informed that, remaining work will be finished within a week.</p> <p>On 08-06-16: Corrected. The factory management has sent the pictures of door installation work after finishing the remaining work which was left during the time of inspection. If the factory wants to keep the doors open than they have to use magnetic door holder interfaced with fire alarm control panel.</p> <p>On 25/10/2016: Corrected as per previous follow-up.</p>	10/05/2016	Completed	Corrected	 

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3	The exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction.	<p>Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs and bridge 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.</p> <p>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 Month	<p>On 01/02/2016: Fire rated door installation is going on. Some non listed installed fire door has been found during 2nd follow up inspection.</p> <p>On 17/04/2016: Partially Corrected. Fire rated doors are installed for all the required exits to protect the exit enclosures but some civil related works still left, during inspection those found in-process. The external stair is also not fully protected yet as there are un-protected openings available within 10 ft.</p> <p>On 08-06-16: Partially corrected. Office room at ground floor and both roof should be provided with fire rated separation. If the factory wants to keep the doors open than they have to use magnetic door holder interfaced with fire alarm control panel.</p> <p>On 25/10/2016: Partially corrected. The factory has installed most of the fire rated doors. But during follow-up inspection fire door has been observed open with external source. If the factory wants to keep the door open, they will require to install automatic door holder interfaced with FACP system. The factory will require to provide proper certification for the fire rating of installed gypsum board. Mechanical malfunction has also been observed in few fire doors.</p>	10/05/2017	Fire Door in hand , work already started and will be completed before 15/10/16	In Progress	
4	<p>Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies.</p> <p>Location: All floors</p>	<p>Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level.</p> <p>Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.</p>	Within 3 Month	<p>On 01/02/2016: Some penetrations have been sealed properly and till now some penetrations are not sealed.</p> <p>On 17/04/2016: Corrected. During inspection no such kind of penetration observed at any floor.</p> <p>On 08-06-16: Corrected. During inspection no such kind of penetration observed at any floor.</p> <p>On 25/10/2016: Corrected. Unsealed opening and penetration has not been observed during follow-up inspection.</p>	17/04/2016	Corrected	Corrected	
5	<p>Areas used for combustible storage are not separated by fire-rated construction.</p> <p>Location: Storage/godown shed approximately 10 feet from the north side of the main building.</p>	<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 3.6m and maximum area of 93m² <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 Month	<p>On 01/02/2016: Fire rated construction has been completed but fire rated door is not installed at training center and store room.</p> <p>On 17/04/2016: Corrected</p> <p>On 08-06-16: Corrected.</p> <p>On 25/10/2016: Corrected as per previous follow-up inspection.</p>	17/04/2016	Corrected	Corrected	

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6	Egress doors / gates with locking features are provided at building exits, exit stairs, along egress routes, and exit discharge. Locations: Collapsible gates and sliding doors on all floors. Doors were open and unlocked during the survey.	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate	On 01/02/2016: Partially corrected. Locking features is not found during 2nd follow up inspection but sliding doors were found at all exit discharge at ground floor and ground floor to 5th floor at west side exterior exit stair. On 17/04/2016: Corrected On 08-06-16: Corrected. No locking features have been observed/ found during inspection. On 25/10/2016: Corrected. Non-compliant locking feature has not been observed during follow-up inspection.	17/04/2016	Corrected	Corrected	
7	Exit capacity is not adequate for the occupant load. The dining area at the Third floor / rooftop level of the three story portion of the building has direct access to only three of the five exit stairs at that level. Therefore, the occupant load (reported as 702 persons, 1/3 of the total building population) exceeds the calculated egress capacity for the three exit stairs (570 persons).	Reduce occupant load to not more than available exit capacity.	Immediate	On 01/02/2016: Corrected. Factory has reduced occupant by arranging launch time in two shift. On 17/04/2016: Corrected On 08-06-16: Corrected. Factory has reduced occupant by arranging launch time in two shift. On 25/10/2016: Corrected as per previous follow-up inspection.	20/06/2015	Corrected	Corrected	
8	Collapsible gates / sliding doors are provided at building exits, exit stairs, along egress routes, and exit discharge. Locations: Collapsible gates and sliding doors on all floors.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 Months	On 01/02/2016: No collapsible door was found during 2nd follow up inspection but sliding doors are available at several places including ground floor and ground floor to 5th floor of west side exterior exit stair. On 17/04/2016: Corrected On 08-06-16: Corrected. No collapsible gates/ sliding door/ rolling shutter doors have been observed/ found during inspection. On 25/10/2016: Corrected. Non-compliant gate has not been observed during follow-up inspection.	17/04/2016	Corrected	Corrected	

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9	Evacuation plans on various floors do not indicate use of an outside exit stair which is marked as an exit.	Update evacuation plans to indicate relevant exits and to provide adequate exit knowledge.	Within 1 Months	On 01/02/2016: Corrected On 17/04/2016: Corrected On 08-06-16: Corrected. On 25/10/2016: Corrected.	12/06/2014	Corrected	Corrected	
10	Exit stair door does not swing in the direction of egress travel. Locations: Doors leading to exit stairs from rooftop of the three story portion of the building.	Modify the egress door to swing in the direction of egress travel.	Within 3 Months	On 01/02/2016: Corrected. Door was not found during 2nd follow up inspection. On 17/04/2016: Corrected On 08-06-16: Corrected. Door was not found during the time of inspection. On 25/10/2016: Corrected.	12/06/2014	Corrected	Corrected	
11	Exit discharge path along west side of building is an egress court less than 10 feet wide.	Provide minimum 1-hr fire-rated factory exterior wall up to 10ft above grade. Seal and/or protect all openings to maintain the required fire separations.	Within 3 Months	On 01/02/2016: Fire rated construction is almost completed except installation of fire rated door. On 17/04/2016: Partially Corrected. Only wastage storage area not protected properly, other than that the noted egress court is safe. On 08-06-16: Corrected. If the factory wants to keep the compressor room door open than they have to use magnetic door holder interfaced with fire alarm control panel. On 25/10/2016: Corrected.	10/05/2016	Completed	Corrected	
12	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Within 3 Months	On 01/02/2016: Reviewed drawing from Accord was available during 2nd follow-up inspection and installation has been started. On 17/04/2016: Installation is almost in finishing stage. On 08-06-16: Partially corrected. Reviewed drawing from Accord was available during 3rd follow-up inspection. Installation was almost completed. Fire doors, HVAC system, fire pump controls should be interfaced with FACP if applicable. Factory have to prove whether the installed fire alarm cable has been certified by any third party or not. The factory management should submit the checklist provided through email during the time of inspection. (Commissioning of the system in-front of contractor/ 3rd party will be done by Accord). On 25/10/2016: The reviewed drawing of fire alarm system from Accord was available during 5th follow-up inspection. Interfacing work has not been started yet.	30/06/2016		In Progress	

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13	A fire alarm system did not appear to be in the storage/godown shed; therefore, alarm and notification features consistent with acceptable standards are not provided.	Install a new, listed addressable fire alarm system in accordance with NFPA 72.	Within 3 Months	On 01/02/2016: It is an integrated part of the fire alarm system. On 17/04/2016: Its an integrated part of fire alarm system On 08-06-16: It is an integrated part of fire alarm system. On 25/10/2016: It is an integrated part of fire alarm system.	30/06/2016		In Progress	
14	Inspection, testing, and maintenance records for the fire alarm system were not available.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 Months	On 01/02/2016: It is an integrated part of the fire alarm system. On 17/04/2016: It is an integrated part of fire alarm system. On 08-06-16: Corrected. On 25/10/2016: Corrected. The factory is maintaining a checklist as per NFPA 72 for the existing fire alarm system.	10/05/2016	Completed	Corrected	
15	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.	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system. Configure the fire alarm system to initiate occupant notification upon activation of any two smoke detectors in addition to the manual fire alarm stations.	Within 6 Months	On 01/02/2016: It is an integrated part of the fire alarm system. On 17/04/2016: It is an integrated part of the fire alarm system. On 08-06-16: It is an integrated part of fire alarm system. On 25/10/2016: It is an integrated part of fire alarm system.	30/06/2016		In Progress	
16	The storage/godown shed did not appear to be equipped with smoke alarms.	Install automatic smoke detectors tied into the fire alarm system. Configure the fire alarm system to initiate occupant notification upon activation of any two smoke detectors in addition to the manual fire alarm stations.	Within 6 Months	On 01/02/2016: It is an integrated part of the fire alarm system. On 17/04/2016: It is an integrated part of the fire alarm system. On 08-06-16: It is an integrated part of fire alarm system. On 25/10/2016: It is an integrated part of fire alarm system.	30/06/2016		In Progress	

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17	Storage areas on various floor levels are dark due to a low level of lighting and storage is stacked above eye level. Illuminated, directional exit signage is not provided.	Provide illuminated, directional exit signage throughout so that the directions of paths of egress are clearly indicated.	Within 1 month	On 01/02/2016: Corrected. On 17/04/2016: Corrected and recommended to provide more. On 08-06-16: Corrected and recommended to provide more. On 25/10/2016: Corrected as per previous follow-up.	12/06/2014	Corrected	Corrected	
18	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes. Locations: All areas.	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	On 01/02/2016: Corrected. On 17/04/2016: Corrected. On 08-06-16: Corrected. On 25/10/2016: Corrected.	12/06/2014	Corrected	Corrected	
19	Emergency lights did not appear to be in the storage/godown shed; therefore, 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	On 01/02/2016: Corrected. On 17/04/2016: Corrected. On 08-06-16: Corrected. On 25/10/2016: Corrected.	06/12/2014	Corrected	Corrected	
20	New Finding (2nd Follow-up): The highest occupied floor of existing building is more than 10 m (33 ft.) above/below grade but standpipe system is not installed in the building	Provide class-III standpipe system (both a 40 mm connection with attached hose and a 65 mm connection) throughout the building in accordance with NFPA 14	Design will be submitted within 15-Feb-16 to ACCORD for review and modification (if applicable) of the present stand pipe system will be completed with in 30-Mar-16.	On 01/02/2016: New Finding On 17/04/2016: The design for standpipe system is submitted to ALLIANCE for review and it is on 2nd review phase. On 08-06-16: The design for standpipe system is submitted to ALLIANCE for review. On 25/10/2016: In progress. The factory has informed that the drawing of standpipe system has been reviewed by ALLIANCE and regarding this mail confirmation has been provided during follow-up inspection. Installation of the system has been almost completed.	30/06/2016		In Progress	

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21	New Finding (5th Follow-up): Storage was located in the exit stair.	Remove all storage from exit stairs.	Immediate	On 25/10/2016: New Finding	30-10-2016			