

FIRE SAFETY INSPECTION REPORT

**ARA APPAREL EXPORT LTD.
2/C DARUSSALUM ROAD, MIRPUR**

OTHER FACTORIES: NONE



ACC  **RD**
on Fire and Building Safety in Bangladesh

July 17, 2014

SUMMARY

ARA Apparel Export Ltd. was surveyed for fire safety on 7/17/2014 by Hughes Associates, Inc. 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.

Tables 1 - 3 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.

Table 1. Findings And Recommendations - Building #1.

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The generator and transformer rooms are not separated by fire-rated construction resulting to unprotected exit discharge. (openings, non-rated doors, penetrations).	Separate the generator and transformer rooms by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months



F-2	Fire Rated Construction	The exit stairs are not separated from work areas, other spaces on each floor by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and 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.	Within 3 months
-----	-------------------------	---	---	-----------------



F-3	Fire Rated Construction	Combustible construction materials was used inside the building. (Wooden ceiling and wall). Location: 2nd floor office.	Remove and replace all combustible construction materials by non-combustible.	Within 3 months
-----	-------------------------	---	---	-----------------



F-4	Egress	<p>Egress doors with locking features are provided at building exits, exit stairs and along egress routes.</p> <p>All doors were open and unlocked during the inspection.</p>	<p>Remove locking features from all egress doors.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p>	Immediate
-----	--------	---	---	-----------



F-5 Egress

Collapsible gates and sliding doors are provided at building exits, exit stairs and along egress routes.

Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.

Within 1 month

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.



F-6	Egress	Northwest exit stairs discharge inside the building.	Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).	Within 6 months
Or				
Provide sprinkler protection for discharge floor in accordance with NFPA 13.				



F-7	Fire Protection	Inspection, testing, and maintenance of the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
-----	-----------------	--	---	-----------------

F-8	Egress Lighting	Several emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month
-----	-----------------	--	---	----------------



F-9	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
-----	-----------------	--	--	-----------------

Table 2. Findings And Recommendations - Building #2.

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The exit stairs are not separated from work areas, 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 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 months



F-2	Fire Rated Construction	Rooms used for combustible storage in 1st and 2nd floors are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
-----	-------------------------	--	--	-----------------



F-3	Egress	Egress doors with locking features are provided at building exits, exit stairs and along egress routes.	Remove locking features from all egress doors.	Immediate
		All doors were open and unlocked during the inspection.	If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	



F-4	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs and along egress routes.	Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.	Within 1 month
			If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	



F-5 Egress

Northwest exit stairs discharge inside the building.

Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas).

Within 6 months

Or

Provide sprinkler protection for discharge floor in accordance with NFPA 13.



F-6	Fire Protection	Inspection, testing, and maintenance of the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
F-7	Egress Lighting	Several emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed.	Within 1 month



F-8	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
-----	-----------------	--	--	-----------------

Table 3. Findings And Recommendations - Building #3.

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The exit stairs are not separated from work areas, 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 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 months



F-2	Fire Rated Construction	Rooms used for combustible storage in ground floor is not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
-----	-------------------------	---	--	-----------------



F-3	Egress	<p>Egress doors with locking features are provided at building exits, exit stairs and along egress routes.</p> <p>All doors were open and unlocked during the inspection.</p>	<p>Remove locking features from all egress doors.</p> <p>If locks are required for security reasons, utilize special door locking features complying with NFPA 101.</p>	Immediate
-----	--------	---	---	-----------



F-4 Egress

Collapsible gates and sliding doors are provided at building exits, exit stairs and along egress routes.

Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.

Within 1 month

If locks are required for security reasons, utilize special door locking features complying with NFPA 101.



F-5	Fire Protection	Inspection, testing, and maintenance of the fire alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
F-6	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
