

FIRE SAFETY INSPECTION REPORT

**BEST WOOL SWEATERS LTD.
JARUN, KANABARI, GAZIPUR, DHAKA**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

June 26, 2012

SUMMARY

Best Wool Sweaters Ltd. was surveyed for fire safety on 6/26/2012 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.

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 Accord for approval.

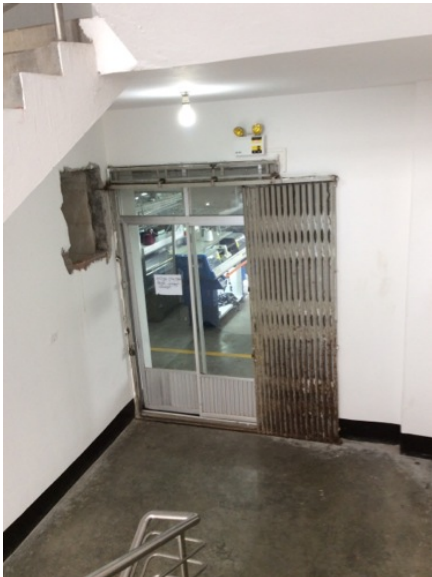
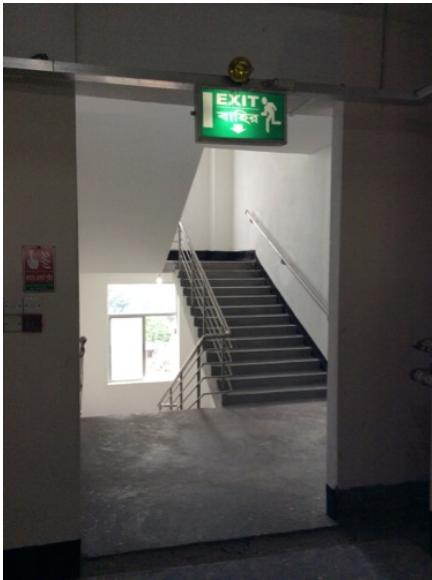
Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Areas used for combustible storage at all floors are not separated by fire-rated construction.	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.	Within 3 months





F-2	Fire Rated Construction	The exit stairs are not separated from work areas and 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	Unsealed penetrations and openings are located in southeast exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
-----	-------------------------	--	---	-----------------



F-4	Egress	Egress gates with locking features are provided at building exit stairs, and exit discharge. Lockable collapsible gates were at most exit stairs and discharge, gates were open and unlocked during the inspection.	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
-----	--------	--	--	-----------



F-5	Egress	Storage of combustible material was located in the northwest exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
-----	--------	--	---	-----------



F-6	Egress	Collapsible gates and sliding doors are provided at most building exits, exit stairs, along egress routes, and exit discharge.	Replace all gates and 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 month
-----	--------	--	---	----------------



F-7	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards. (An new automatic fire alarm system is under construction)	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
-----	-----------------	---	---	--



F-8	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
-----	-----------------	--	---	-----------------

Building Name		Date									
No.	Item	Room	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor	Floor
1	Room Area (sqm)	28000	28000	28000	28000	28000	28000	28000	28000	28000	28000
2	Capacity of Machine in Room	155	165	715	-	721	120				
3	Type of Detection										
4	No. of Detectors	30	20	10	17	12	14				
5	No. of Fire Alarm Switch	04	04	04	04	04	04				
6	No. of Alarm Call Points	04	04	14	04	04	04				
7	No. of ECTV in Room	13	02	05	02	01	-				
8	No. of Evacuation Plan	05	04	04	04	04	04				
9	No. of Hoses in Room	02	4	4	4	04	07				
10	No. of Extinguisher in Room	93	56	61	61	59	18				
11	No. of Emergency Light (Fixed in Room)	32	22	18	17	20	18				
12	No. of Industrial Type Light										
13	No. of Exit Signs	25	08	09	09	10	10				

F-9	Fire Protection	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. (An new interconnected detection system is under construction)	Replace the single-station smoke alarms with automatic smoke detectors tied into the fire alarm system in accordance with NFPA 72.	Within 6 months
-----	-----------------	---	---	------------------------



F-10	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not in accordance of the ACCORD standards.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
------	-----------------	---	---	------------------------

Building Name		Date											
No.	Item per Floor	Floor No.	Floor 1st	Floor 2nd	Floor 3rd	Floor 4th	Floor 5th	Floor 6th	Floor 7th	Floor 8th	Floor 9th	Floor 10th	Floor 11th
1	Floor Area (sqm)	28000	28000	28000	28000	28000	28000	28000	28000	28000	28000	28000	28000
2	Capacity of Workers in Floor	155	155	715	-	721	120						
3	Type of Detectors												
4	No. of Detectors	30	20	10	17	12	14						
5	No. of Fire Alarm Switch	04	04	04	04	04	04						
6	No. of Alarm Call Points	04	04	14	04	04	04						
7	No. of ECHO in Floor	13	08	05	02	01	-						
8	No. of Evacuation Plan	06	04	04	04	04	04						
9	No. of House in Floor	02	4	4	4	04	02						
10	No. of Extinguisher in Floor	93	56	61	61	53	18						
11	No. of Emergency Light (Small) in Floor	32	22	18	17	20	18						
12	No. of Industrial Type Light												
13	No. of Exit Signs	25	08	09	09	10	10						