

FIRE SAFETY INSPECTION REPORT

MASIHATA SWEATERS LTD
SOUTH PANISHAIL, BKSP, KASHIMPUR

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

April 7, 2014

SUMMARY

Masihata Sweaters Ltd was surveyed for fire safety on 4/7/2014 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 - 2 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 - Main Building

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	The boiler/transformer room on the ground floor is not separated by fire-rated construction due to a non-rated door.	Separate the boiler room 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	Storage rooms on multiple floors throughout the building were not separated from adjacent work areas and exit stairs by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Provide vestibules to separate storage rooms from exit stairs and passageways. 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-3	Fire Rated Construction	The Northwest exit stair is 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-4	Fire Rated Construction	The exterior exit stairs are not separated from work areas on each floor by fire-rated construction due to unprotected window and ventilation openings.	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-5	Fire Rated Construction	No documentation of certification or testing was provided for the fire-rated doors provided in multiple locations on exit stairs and various rooms.	Provide documentation that fire doors are tested and certified in accordance with BNBC and NFPA 101.	Within 3 months
-----	-------------------------	---	--	-----------------



F-6	Egress	Egress doors and gates with locking features are provided at all exit stair openings and discharge. Only two doors are provided with panic hardware.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
-----	--------	--	--	-----------



F-7	Egress	Dustbins and cardboard were located in the Southwest exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
-----	--------	--	---	-----------



F-8	Egress	Exit capacity is not adequate for the occupant load on 5th floor. Occupant load is 800. Exit capacity is 602.	Reduce the number of occupants on the 5th floor to no more than the capacity of the current available exits immediately. In the future, if greater occupant load is desired, add additional exits.	Immediate
F-9	Egress	Collapsible gates or sliding doors are provided at all exit stair openings and discharge, including the openings that are also provided with fire-rated doors.	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-10	Fire Protection	Inspection, testing, and maintenance for the fire alarm system were 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-11	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system were 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 - Extension 1 (Knitting Shed)

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Areas used for combustible storage 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	Egress	Egress doors with locking features are provided at all exits.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
-----	--------	---	--	-----------



F-3	Egress	Sliding doors are provided at all exits.	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-4	Fire Protection	Inspection, testing, and maintenance for the fire alarm system were 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-5	Egress Lighting	Inspection, testing, and maintenance for the emergency lighting system were 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
-----	-----------------	---	--	-----------------
