

# **FIRE SAFETY INSPECTION REPORT**

**D & S PRETTY FASHIONS LTD.  
PRETTY SQUARE, SOUTH SALNA, JOYDEPUR**

**OTHER FACTORIES: KAVERI SWEATERS, PAN  
PACIFIC SWEATERS LTD.**



**ACCORD**  
on Fire and Building Safety in Bangladesh



March 9, 2014

## **SUMMARY**

**D & S Pretty Fashions Ltd. was surveyed for fire safety on 3/9/2014 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.**

**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	The exit stairs are not separated from factory areas 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





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F-2	Fire Rated Construction	Unsealed penetrations and openings are located in exit stair enclosures.	Seal all penetrations and openings in exit stair enclosure walls to maintain the fire separation.	Within 3 months
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F-3	Fire Rated Construction	Storage room on the second floor, accessible from southeast exit stair.	Move storage room entrance to factory floor. Seal old entrance, ensuring 2-hour separation for the exit stair.	Within 3 months
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F-4 Fire Rated Construction

The generator room is not separated by fire-rated construction due to non fire-rated doors and a non-fire-rated north wall.

Separate the generator 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-5	Fire Rated Construction	The transformer room is not separated by fire-rated construction due to non-fire-rated doors to the generator and dining rooms.	Separate the transformer 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-6	Fire Rated Construction	Areas throughout the factory used for combustible storage are not separated by fire-rated construction.	<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"> <li>- Maximum height of 2.4m and maximum area of 23m<sup>2</sup></li> <li>- If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup></li> </ul> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p>	Within 3 months





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F-7	Egress	Egress doors and gates with locking features are provided at factory floor exit stairs and along egress routes throughout the factory.	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
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F-8	Egress	The exit capacity (583) is not adequate for the occupant load (1200) at floors 1, 3, and 5.	Reduce maximum occupant load per floor to not more than 583 persons based on available exit capacity.	Immediate
Two potential options to increase the allowable occupant load include:				
Option A includes four things:				
1.) Reduce occupant load to 999. 2.) Provide an additional exit stair. 3.) Add a sprinkler system throughout the building compliant with NFPA 13. 4.) Add a PA system to direct occupants in case of a fire per NFPA 72.				
Option B is to add two exit stairs, increasing the total exit width by 185 inches.				
F-9	Egress	The width of egress aisles is less than 36-inches throughout the factory due to impromptu storage.	Provide minimum aisle widths of 36-in.	Immediate



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F-10	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs, and along egress routes.  All gates and doors were unlocked at the time of the inspection.	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
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F-11 Egress

The southeast exit stair discharges inside the building at the interior loading dock, about 40 feet from the building exit.

Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Alternatively, provide sprinkler protection for discharge floor in accordance with NFPA 13.

Within 6 months



F-12	Fire Protection	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.	Design within 4 months, install within 9 months
F-13	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.	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



F-14	Fire Protection	A functional test was performed, and the fire alarm system does not appear to provide adequate audible notification coverage on the second, third, fourth, and fifth floors.	Provide additional notification appliances such that the fire alarm system is audible throughout the building in accordance with NFPA 72.	Within 9 Months
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