

FIRE SAFETY INSPECTION REPORT

Sams Attire Ltd. (Extension)

ACCORD ID: 23740

Bhuiya Tower, Plot #10, Jamgora, Ashulia Road, Savar, Dhaka, Bangladesh

(GPS: 23.936455, 90.284372)

Other Factories: Sams Attire Ltd. (Accord ID: 9236)




Inspected By: Safawan Abyaz, Anayet Hossain

Date: 20 August, 2019

Findings & Recommendations :

The following tables summarize 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.

SI No.	Category	Findings	Required Action	Remediation Time Frame
F-1	Fire Rated Construction	[Building 2] Secondary exit stair discharges the occupants in an unprotected passageway.	1. Modify stair to discharge directly outside. Or 2. Provide 2-hr fire-rated exit passageway leading directly outside (vestibules to separate any storage areas). Or 3. Provide sprinkler protection for discharge floor in accordance with NFPA 13.	Within 3 months
				





<p>F-2</p>	<p>Fire Rated Construction</p>	<p>[Building 2] The exit stairs are not separated from work areas & other spaces on each floor by fire rated construction.</p>	<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 rated 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 rated doors are required to be held open for functional reasons, provide automatic closing devices tied to the fire alarm system.</p> <p>Once fire doors are installed, every door in a stair enclosure serving more than 5 stories shall be provided with re-entry unless it meets ACCORD standard 6.8.3.1</p> <p>Each & every component of fire doors shall be put through proper maintenance for proper functioning & sustainability.</p>	<p>Within 3 months</p>
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<p>F-3</p>	<p>Fire Rated Construction</p>	<p>[Shed 5] Exit access corridor serving more than 30 occupants is not separated by fire rated construction.</p>	<p>1. Separate the corridor by a minimum 1-hr fire rated construction. Or 2. Provide automatic sprinkler system throughout the storey as per NFPA 13</p>	<p>Within 3 months</p>
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<p>F-4</p>	<p>Fire Rated Construction</p>	<p>Rooms used for combustible goods storage are not separated by proper fire rated construction. Location: Ground floor (Building 2), Dumping Area (Shed 5)</p>	<p>Separate the storage rooms by minimum 1-hr fire rated construction from any other occupancy. The opening protective shall also be minimum 1-hr fire rated.</p>	<p>Within 3 months</p>
				



F-5	Fire Rated Construction	[Shed 5] The dining area is not separated by production areas & other occupancies by fire rated construction.	Separate the dining area by minimum 2-hr fire rated construction from other occupancies. Seal and/or protect all openings & penetrations to maintain the fire separation.	Immediate
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F-6	Egress	[Building 2] Building did not have stair designation signs and occupant load signs at several floors	Provide stair designation signs and occupant load signs at a conspicuous space near entries at each floor level.	Within 1 month
F-7	Egress	[Building 2] Secondary exit stair width (.75 m) is less than the minimum requirement as per Accord Building Standard.	Provide minimum stair width of 0.9 m.	Within 6 months



F-8	Egress	[Shed 5] A sliding gate was observed at the secondary exit of dining area.	<p>Replace all collapsible gates/ sliding doors/ rolling shutter doors along the means of egress with side-hinged, swinging (to the travel direction) egress doors.</p> <p>Provide panic exit hardware if occupant load exceeds 49 persons. Locking feature shall be in compliance with NFPA 101.</p>	Within 1 month
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<p>F-9</p>	<p>Fire Protection System</p>	<p>[Building 2] The existing factory building has an occupied floor greater than 10 meter (33 feet) and is not provided with standpipe system.</p>	<p>Design & install a new class III standpipe system & fire department (Siamese) connection in accordance with NFPA 14.</p> <p>The standpipe system shall be connected to a dedicated fire pump meeting minimum hydraulic demands of NFPA 14 & Accord standard at the required points. Installation of the fire pump shall be as per NFPA 20. Submit the design to Accord for review and approval before installation.</p> <p>Upon approval & installation the owner shall contact the Accord prior to conducting the final acceptance testing of the standpipe system installation.</p> <p>Also inspect, test and maintain the standpipe system & fire pumps, and keep written records on-site, in accordance with NFPA 14, 20 and ACCORD standards.</p>	<p>Design within 3 months; Install within 6 months.</p>
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F-10	Fire Protection System	[Building 2] Fire pumps are not provided and appears to be needed as per Accord Building Standard 5.5.1	<p>Provide fire pumps.</p> <p>Installation of the new fire pumps shall be required to provide shop drawing & hydraulic calculations as outlined in NFPA 13, 20, 22 and 24. These drawings shall include all details as outlined in NFPA 13, 20, 22 & 24.</p> <p>All fire protection water supply system installation design documents shall be submitted for review by the Chief Safety Inspector of Accord prior to commencement of installation.</p> <p>Upon approval & installation the owner shall contact the Accord prior to conducting the final acceptance testing of the installation to allow the Accord the option of witnessing this testing & conduct a final inspection of the installation.</p>	Within 6 months
F-11	Fire Rated Construction	[Building 2] The boiler & compressor room is not separated by fire rated construction. (Unprotected opening with exit discharge of shed 5)	<p>Separate the boiler, generator & transformer rooms by a minimum 2-hr fire rated construction. Seal and/or protect all openings to maintain fire separations.</p> <p>Provide adequate ventilation as per manufacturer's requirement. Provide fire dampers of at least 2-hr rating interfaced with FACP if required.</p>	Within 3 months






F-12	Egress	[Building 2] Aisles were not provided of adequate width specially at 1st floor.	Provide clear aisle width of minimum 36 inch. Aisle shall be cleared of any kind of obstruction.	<i>Within 1 month</i>
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F-13	Egress Lighting	[Building 2] Secondary exit of dining was not provided with exit signages. Directional exit signs were missing at the change of exit direction.	Provide illuminated exit signs at every required exits. Provide illuminated directional exit signs where the change of direction is not obvious. Exit signs shall always be illuminated as long as the factory is occupied. Illumination at source shall be 50 lux at least.	Within 1 month
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F-14	Fire Detection & Alarm	[Building 2] Fire detection & alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards	<p>Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.</p> <p>Upon approval the owner shall contact the Accord prior to conducting the final acceptance testing of the fire detection & alarm system installation.</p>	Immediate
				
F-15	Fire Detection & Alarm	[Shed 5]The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	<p>Design and install an addressable fire detection & alarm (Audio & Visual) system replacing the existing one in compliance with NFPA 72 & Accord standard. Submit the design to Accord for review and approval before installation.</p> <p>Upon approval & installation the owner shall contact the Accord prior to conducting the final acceptance testing of the fire detection & alarm system installation.</p>	Design within 4 months; Installation within 9 months
F-16	ITM Fire Detection & Alarm	[Building 2, Shed 5] Inspection, testing, and maintenance for the fire detection & alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection & alarm system, and keep written records on-site, in accordance with NFPA 72	Within 3 months



F-17	Fire Detection & Alarm	[Shed 5] 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 occupant.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building, tied into the fire alarm system, in accordance with NFPA 72.	Within 1 month
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F-18	Fire Protection	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records onsite, in accordance with NFPA 10.	Within 3 months
F-19	Egress Lighting	Based on the number and location of emergency lights observed, 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
F-20	ITM Emergency 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 the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months

