

FIRE SAFETY INSPECTION REPORT

SILKEN SEWING LTD (NEW BUILDING)

Accord ID: 12679

Baniarchala (Member Bari), Vobanipur Joydebpur, Gazipur [+24.158579N,90.427460E]

Other Factories: None



Inspected By: Pantha Pallob Das

Date: 13 February, 2017

Fire Safety Inspection Report

Factory Name: SILKEN SEWING LTD (NEW BUILDING)

Summary:

SILKEN SEWING LTD (NEW BUILDING) complex was surveyed for fire safety on 13/02/2016 by The Accord Inspection Team. The purpose of the 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.

Note: Total designed individual floor area 17835 sft. Construction started dividing in 2 segments (segment-1: 10266 sft and segment-2: 7569 sft). Construction for segment-1 completed and production already started except ground floor but segment-2 is presently under construction phase. Segment-1 and 2 separated by brick wall.

Utility related issues are separately at follow up status under old unit old unit (Silken Sewing Limited_9665).




Findings & Recommendations :

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:

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction on ground floor.	Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction.	Within 3 months
				



2	Fire Rated Construction	<p>Areas used for combustible storage open to the factory are not separated by fire rated construction.</p> <p>Location: 1st and 5th floor of the building.</p>	<p>Separate the dedicated storage rooms by minimum 1-hr fire-rated construction. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8ft.) and maximum area of 23m² (250 ft²)</p> <p>- If sprinkler protected: maximum height of 3.66m (12ft.) and maximum area of 93m² (305ft²). Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft.).</p>	Within 3 months
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3	Fire Rated Construction	<p>The exit stairs are not separated from work areas and other spaces on each floor by fire rated construction.</p> <p>Note: Fire rated doors are installed for 2 stairs located in segment-1 and another stair which is located in segment-2 is under construction.</p>	<p>The exit stair enclosure shall be provided with a minimum 1-hr fire resistance rating for buildings with 3 or fewer stories and a minimum of 2- hr. fire resistance rating for buildings 4 or more stories. Provide 0.75 hr. fire rated door and seal all penetrations and openings by 1 hr. fire rated fire rated barrier construction for building with 3 or fewer stories. Provide 1.5 hr. fire rated door and seal all penetrations and openings by 2 hr. fire rated fire rated barrier construction for building with 4 or more stories.</p> <p>Provide a fire-resistive rated assembly between the exterior exit stairs and the building up to 10 ft. beyond the end of the stair to achieve the required separation. The rated assembly shall be approved and/or designed by a qualified fire protection engineer.</p> <p>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.</p>	Within 3 months
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4	Fire Rated Construction	<p>Unsealed penetrations and openings are located in the fire-rated floor/ceiling assemblies.</p> <p>Location: Electrical riser on every floor.</p>	<p>Seal all penetrations and openings in floor/ceiling assemblies to maintain the fire separation.</p>	<p>Within 1 month</p>
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5	Fire Rated Construction	Elevator shafts are directly open into production floor without proper fire separation (Doors are not fire rated).	Ensure minimum 1.5-hr fire rating for the doors of elevator shafts otherwise close the shafts area with 2-hr fire rated construction barrier and 1.5-hr fire rated doors.	Within 3 months
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6	Fire Rated Construction	Exit passageway is not separated by fire rated construction for west and north stairs, both discharge directly on ground floor without fire separation.	Separate the exit passageway (ceiling, floor, wall etc.) by 2- hr. fire-resistance rated construction and shall terminate at an exit discharge.	within 3 months
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7	Egress	The width of egress aisles is less than 36-in. on 2nd floor.	Provide minimum unobstructed aisle widths of 36-in.	Within 1 month
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8	Egress	Obstruction through manual fire fighting equipment noted in the exit stair on every floors.	Remove all storage from exit stairs and egress paths.	Immediate
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9	Egress	Building did not have stair designation and occupant load signage as per ACCORD Standard.	Provide stair designation and occupant load signage at required locations as per ACCORD Standard.	Within 1 month
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10	Egress Lighting	Inspection, testing and maintenance for the emergency lighting and exit signage system was not in accordance with The ACCORD standard.	Inspect, test and maintain the emergency lighting system and exit signage in the accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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11	Fire Protection System (ITM)	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 1 month
12	Fire Protection System	The highest occupied floor of existing building is more than 10 m (33 ft.) above/ below grade but standpipe system is not installed in the building.	Provide class-III standpipe system (both a 40 mm connection with attached hose and a 65 mm connection) throughout the building in accordance with NFPA 14, 20, 22 and 24.	Design within 4 months and installation within 9 months
13	Fire Protection System (ITM)	Inspection, testing and maintenance (ITM) of the standpipe system is not in accordance with NFPA 25.	Inspect, test and maintain the standpipe system and keep written records on-side, in accordance with NFPA 25.	Within 03 months (After complete installation)



14	Fire Detection and Alarm System	The fire detection and alarm system is not installed as per NFPA-72.	<p>Install fire detection and alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.</p> <p>Design shall be submitted to ACCORD Chief Safety Inspector for review prior to installation of the system.</p>	Design within 4 months and installation within 9 months.
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15	Fire Detection and Alarm System (ITM).	Inspection, testing and maintenance (ITM) for the fire detection and alarm system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection and alarm system and keep written records on-site, in accordance with NFPA 72.	Within 03 months (After complete installation)
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