

FIRE SAFETY INSPECTION REPORT

GOLDEN STITCH DESIGN LTD.

ACCORD ID: 12296

RAJAGHAT, RAJFULBARIA, SAVAR , DHAKA

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

November 8, 2015

SUMMARY

Golden Stitch Design Ltd. was surveyed for fire safety on 11/8/2015 by Jensen Hughes. 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	Diesel fuel storage was located inside the generator room.	Remove all diesel fuel storage from the generator room and relocate to the exterior such that the diesel fuel storage is at least 10 ft from required egress paths. If located along egress paths or in a utility building, separate the diesel fuel storage with 2-hr fire rated construction. There shall be no diesel fuel storage in a factory production building.	Immediately





F-2	Fire Rated Construction	Proper certification was not available for fire rated doors installed in the factory on all floors.	Submit proper certifications for installed fire doors to the ACCORD for approval. If not available, or certification is not approved, install new, properly certified fire rated doors in accordance with ACCORD direction.	Immediately
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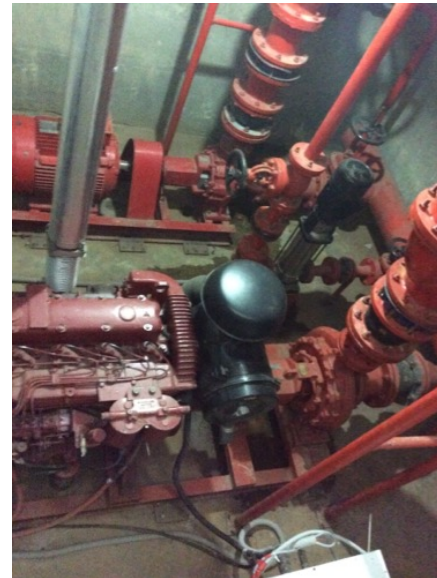




F-3	Fire Rated Construction	Electrical panels were located in the exit stair enclosure.	Remove and re-locate all electrical panels from exit stair enclosures.	Within 3 months
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F-4	Fire Rated Construction	The fire pump room is not provided with adequate fire separation in the southeast of the building on ground floor.	Provide fire pump room with 2 hr rated fire separation when not sprinklered and 1 hr rated fire separation when provided with automatic sprinklers, in accordance with NFPA 20.	Within 3 months
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F-5	Fire Rated Construction	The boiler room is not separated by fire-rated construction due to non-rated doors, penetrations in the west side on ground floor.	Separate the boiler room by a minimum 2-hr fire rated construction for high rise. Seal and protect all openings to maintain the required fire separations. Provide proper ventilation and consult a qualified engineer. OR When located to the exterior of a building, separate the boiler by a minimum distance of 3m (10 ft).	Within 3 months
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F-6	Fire Rated Construction	Areas used for combustible storage open to the factory are not properly defined and not within limits on ground, 1st, 2nd, and 3rd floors.	Provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.45m (8 ft) and maximum area of 23m² (250 ft²). OR - If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²) AND Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10 ft).	Within 3 months
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F-7	Fire Rated Construction	Rooms used for combustible storage are not separated by a minimum 1-hr fire-rated construction warehouse shed and accessories store on ground floor.	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 2.45m (8 ft) and maximum area of 23m² (250 ft²) OR - If sprinkler protected: maximum height of 3.66m (12 ft) and maximum area of 93m² (1000 ft²) AND Separate areas of unenclosed combustible storage by a minimum clear distance of 3m (10ft).	Within 3 months
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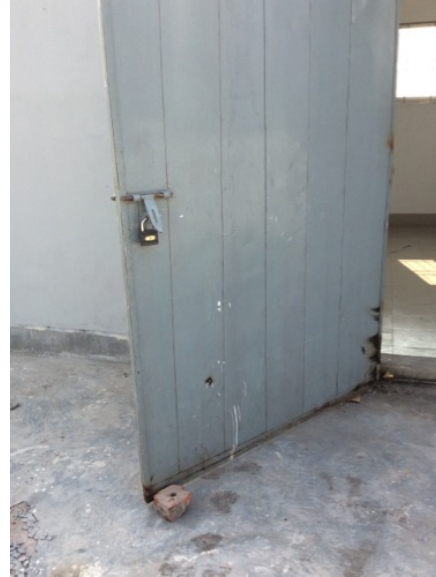
F-8	Fire Rated Construction	Northeast exit stairs are not separated from work areas and other spaces on each floor by fire-rated construction due to unprotected openings and penetrations on 1st and 4th floors.	Separate the exit stairs from from work areas and other building spaces on all floor levels by minimum 2-hr fire-rated construction. Provide minimum 1.5-hr fire rated doors and seal all unprotected openings and penetrations to maintain the fire separation.	Within 3 months
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Ensure that all fire doors are self-closing and positive latching, and are provided with fire exit (panic) hardware where serving production floors or assembly occupancies. If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.





F-9	Egress	Building did not have stair designation signs and occupant load signs at required locations on all floors.	Provide stair designation signs and occupant load signs at required locations.	Immediately
F-10	Egress	Egress doors and gates with locking features are provided at building exits, exit stairs, along egress routes and exit discharge on all floors. All gates and doors were open and unlocked during the inspection.	Remove locking features from all egress doors and gates. If locks are required for security reasons, utilize special door locking features complying with ACCORD standard 6.8.2.	Immediately



F-11	Egress	Storage was located in the egress path on 2nd and 3rd floors.	Keep egress paths and stairs clear of storage.	Immediately
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F-12	Egress	Collapsible gates and sliding doors are provided at building exits, exit stairs, along egress routes and exit discharge on all floors.	Replace all gates and sliding doors along the means of egress with side-hinged, swinging egress doors in accordance with ACCORD standard 6.8.1.	Within 1 month
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F-13	Egress	Handrails are not provided on both sides of the northeast exit stairs on all floors .	Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.) .	Within 3 months
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F-14	Egress	Egress door does not swing in the direction of egress travel in the childcare room in the utility building on ground floor .	Modify the egress door to swing in the direction of egress travel.	Within 3 months
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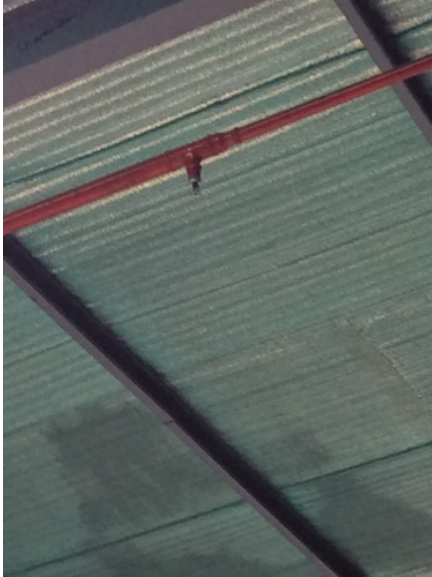
F-15	Fire Protection	Fire alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Within 1 month
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F-16	Fire Protection	Fire pump installation requires detailed review to confirm compliance with NFPA 20 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Within 1 month
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F-17	Fire Protection	Automatic sprinkler system installation requires detailed review to confirm compliance with NFPA 13 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Within 1 month
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F-18	Fire Protection	Standpipe system installation requires detailed review to confirm compliance with NFPA 14 and ACCORD standards.	Submit as-built drawings, testing records, equipment certification and other relevant documentation to the ACCORD for review and approval.	Within 1 month
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F-19	Fire Protection	Inspection, testing and maintenance for 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 and ACCORD standards.	Within 3 months
F-20	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 on-site, in accordance with NFPA 10 and ACCORD standards.	Within 3 months

F-21	Fire Protection	Inspection, testing and maintenance of the fire pump system is not in accordance with NFPA 20.	Inspect, test and maintain the fire pump system and keep written records on-site, in accordance with NFPA 20 and ACCORD standards.	Within 3 months
F-22	Fire Protection	Inspection, testing and maintenance of the automatic sprinkler system is not in accordance with NFPA 25.	Inspect, test and maintain the automatic sprinkler system and keep written records on-site, in accordance with NFPA 25 and ACCORD standards.	Within 3 months
F-23	Fire Protection	Inspection, testing and maintenance of the standpipe system is not in accordance with NFPA 14.	Inspect, test and maintain the standpipe system and keep written records on-site, in accordance with NFPA 14 and ACCORD standards.	Within 3 months
F-24	Egress Lighting	Exit signage was not provided at a building exit, along a path of egress and in a readily visible location on all floors.	Provide exit signs above all building exits to the exterior, all doors to the exit stairs and along all paths of travel where a change of direction is not obvious.	Within 1 month





F-25	Egress Lighting	Inspection, testing and maintenance for the emergency lighting system was not in accordance with ACCORD standards.	Inspect, test and maintain the emergency lighting system in the accordance with ACCORD standards. Keep written records on-site.	Within 3 months
F-26	Egress Lighting	Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes on all floors.	Test the emergency lighting system on each floor and provide additional emergency fixtures to supply adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and along exit discharge paths and a minimum 2.5 lux along exit access aisles.	Within 3 months

