

FIRE SAFETY INSPECTION REPORT

MARS STITCH LTD.

**1/E, NAYEM UDDIN MOLLAH ROAD, AYUCH PARA,
1712 TONGI, GAZIPUR**

OTHER FACTORIES: NONE



ACCORD
on Fire and Building Safety in Bangladesh

June 5, 2014

SUMMARY

Mars Stitch Ltd. was surveyed for fire safety on 6/5/2014 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
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F-1	Fire Rated Construction	All stairs openings are unprotected.	Provide a minimum 1.5-hr fire rated door and seal all unprotected openings to separate the exit stair from the office area in the 1st floor. 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.	Within 3 months
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F-2	Fire Rated Construction	Areas used for combustible storage at 1st, 3rd and 5th floors have unprotected openings.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction.	Within 3 months
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F-3	Fire Rated Construction	The boiler and generators rooms are not separated by fire-rated construction (openings, non-rated doors, penetrations). Rooms located at the ground floor have unprotected openings to the floors.	Separate the boiler and generators rooms by a minimum 2-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
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F-4	Fire Rated Construction	Areas used for combustible storage at the ground floor are not separated by fire-rated construction to the exits discharge.	Provide 1-hour fire-rated vestibule to separate storage room from exits discharge.	Within 3 months
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F-5	Egress	Egress gates with locking features are provided at building exits, exit stairs, along egress routes and exit discharge. Lockable collapsible gates were provided at most exits, gates were open and unlocked during the inspection.	Remove locking features from all egress gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
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F-6	Egress	Collapsible gates are provided at most building exits, exit stairs, along egress routes and exit discharge.	Replace all collapsible gates 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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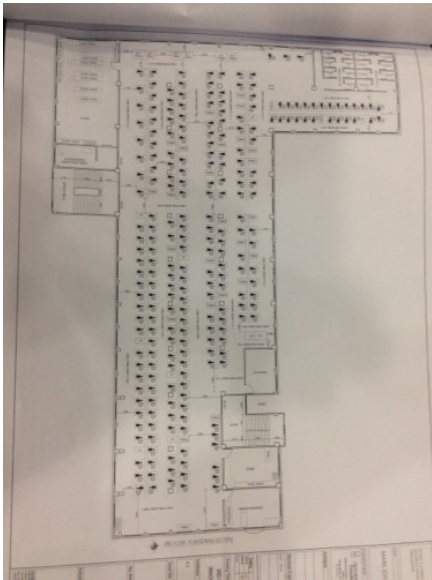
F-7	Egress	Common path of egress travel exceeds 30 m. At all floors the common path of travel is approx. 50 m.	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 30 m.	Within 3 months
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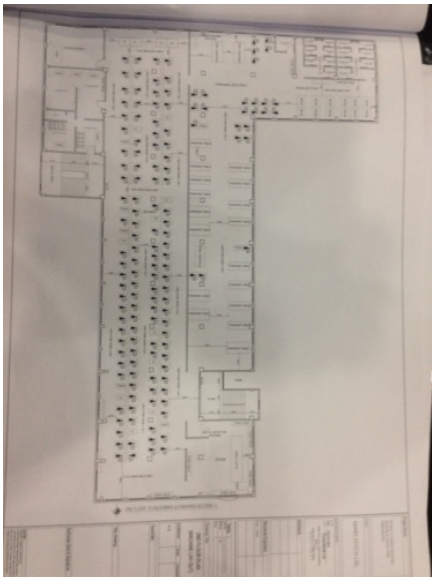
F-8	Egress	The day-care room does not have direct access to an exit. Day-care located at ground floor exit through storage room.	Relocate day-care exit door into exit discharge.	Within 3 months
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F-9	Egress	The exits are not remotely located from each other such that a single fire event could compromise both exits. At all floors the minimum separation required between exits is approx. 100', the actual separation is approx. 80'.	Provide additional exit at the northwest area of the building or provide sprinkler protection in accordance with NFPA 13.	Within 6 months
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F-10	Egress	The exits are not remotely located from each other such that a single fire event could compromise both exits. All floors and the dining room in the roof have exits not remotely located.	Provide additional exit in the northwest area of the building or provide sprinkler protection in accordance with NFPA 13.	Within 6 months
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- F-11 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-12 Fire Protection** Inspection, testing, and maintenance for the fire alarm system was 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

Mars Stitch Ltd
S/O, Nazim Uddin Modan Road, Ajaychandi, Tangail District

Sl. No.	Name of Equipment	Location	Fire Alarm System	Test Date	Engine Date	Compliance Officer	Head of Alarm & Notification	Director
01	DCP	Block Station	1	01.11.13	12.11.2013			
02	DCP	Block Station	2	01.11.13	12.11.2013			
03	DCP	Block Station	3	01.11.13	12.11.2013			
04	DCP	Block Station	4	01.11.13	12.11.2013			
05	DCP	Block Station	5	01.11.13	12.11.2013			
06	DCP	Block Station	6	01.11.13	12.11.2013			
07	DCP	Block Station	7	01.11.13	12.11.2013			
08	DCP	Block Station	8	01.11.13	12.11.2013			
09	DCP	Block Station	9	01.11.13	12.11.2013			
10	DCP	Block Station	10	01.11.13	12.11.2013			
11	DCP	Block Station	11	01.11.13	12.11.2013			
12	DCP	Block Station	12	01.11.13	12.11.2013			
13	DCP	Block Station	13	01.11.13	12.11.2013			
14	DCP	Block Station	14	01.11.13	12.11.2013			
15	DCP	Block Station	15	01.11.13	12.11.2013			
16	DCP	Block Station	16	01.11.13	12.11.2013			
17	DCP	Block Station	17	01.11.13	12.11.2013			
18	DCP	Block Station	18	01.11.13	12.11.2013			
19	DCP	Block Station	19	01.11.13	12.11.2013			
20	DCP	Block Station	20	01.11.13	12.11.2013			
21	DCP	Block Station	21	01.11.13	12.11.2013			
22	DCP	Block Station	22	01.11.13	12.11.2013			
23	DCP	Block Station	23	01.11.13	12.11.2013			
24	DCP	Block Station	24	01.11.13	12.11.2013			
25	DCP	Block Station	25	01.11.13	12.11.2013			
26	DCP	Block Station	26	01.11.13	12.11.2013			
27	DCP	Block Station	27	01.11.13	12.11.2013			
28	DCP	Block Station	28	01.11.13	12.11.2013			
29	DCP	Block Station	29	01.11.13	12.11.2013			
30	DCP	Block Station	30	01.11.13	12.11.2013			
31	DCP	Block Station	31	01.11.13	12.11.2013			
32	DCP	Block Station	32	01.11.13	12.11.2013			
33	DCP	Block Station	33	01.11.13	12.11.2013			
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36	DCP	Block Station	36	01.11.13	12.11.2013			
37	DCP	Block Station	37	01.11.13	12.11.2013			
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41	DCP	Block Station	41	01.11.13	12.11.2013			
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46	DCP	Block Station	46	01.11.13	12.11.2013			
47	DCP	Block Station	47	01.11.13	12.11.2013			
48	DCP	Block Station	48	01.11.13	12.11.2013			
49	DCP	Block Station	49	01.11.13	12.11.2013			
50	DCP	Block Station	50	01.11.13	12.11.2013			

Compliance Officer: Head of Alarm & Notification: Director:

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 in accordance with NFPA 72.	Within 6 months
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F-14	Egress Lighting	Inspection, testing, and maintenance records for the emergency lighting system were not in accordance of the ACCORD standards.	Inspect, test and maintain the emergency lighting system in accordance with The ACCORD standard. Keep written records on-site.	Within 3 months
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Mars Stitch Ltd.

MARS STITCH LTD.
15, SAYEDUR RAHMAN ROAD, DAKKA, BANGLADESH

FIRE EQUIPMENTS

Sl. No.	Equipment	Quantity	Location	Remarks	Inspected By	Approved By
1	Fire Extinguisher	10	Store Room	10		
2	Fire Extinguisher	10	Store Room	10		
3	Fire Extinguisher	10	Store Room	10		
4	Fire Extinguisher	10	Store Room	10		
5	Fire Extinguisher	10	Store Room	10		
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Prepared By: _____

Approved By: _____