

FIRE SAFETY INSPECTION REPORT

NRG Knit Composite (Unit-1)

ACCORD ID: 23565

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(23.619072, 90.478278)**

OTHER FACTORY: None.



Inspected By: Anayet Hossain.

Date: 29 January, 2019

Fire Safety Inspection Report

NRG Knit Composite (Unit -1)

Introduction:

NRG Knit Composite (Unit -1)) was surveyed for fire safety on 29/01/2019 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.

Limitations:

The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and therefore, The Accord cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.

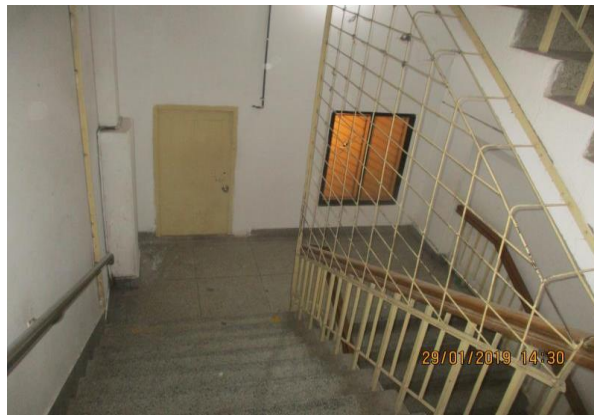


Findings & Recommendations :

Following table 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.

SI No.	Category	Findings	Required Action	Remediation Time Frame
1	Fire Rated Construction	Exit stairs are not separated from work areas & other spaces on each floor by fire-rated construction due to unprotected openings and penetrations. Location: Building-1 (Sweater Building), Building-2 (Dining & Wearhouse)	Separate the exit stairs 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. 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. 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.	Within 3 months





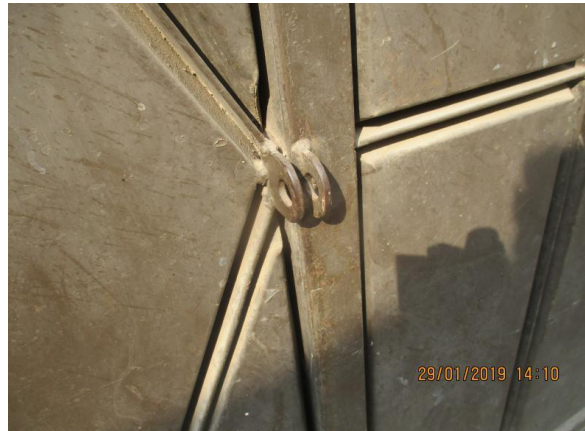
2	Fire Rated Construction	Rooms used for combustible storage are not separated by fire rated construction properly. Location: Ground, 2nd, 3rd & 4th floors	Provide dedicated storage room separated by minimum 1-hr fire-rated construction.	Within 3 months
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3	Fire Rated Construction	Areas used for combustible storage are not separated by fire rated construction. Location: 1st, 2nd & 3rd floors	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 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months
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4	Egress	Egress doors/gates with locking features not complying with NFPA101 are provided at [building exits, exit stairs, along egress routes, exit discharge]	Remove locking features from all egress doors/gates. If locks are required for security reasons, utilize specialized door locking features complying with NFPA101. OR 1. Remove all non compliant locking features from egress doors. 2. If locks are required for security reasons, utilize special door locking features complying with NFPA 101. 3. Doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. 4. Doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons.	Immediate
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5	Fire Rated Construction	Unsealed penetrations and openings are located in the fire rated floor/ceiling assemblies. Location: 1st floor finishing room (sw corner)	Seal all penetrations and openings in floors/ceiling assemblies to maintain the fire separation.	Within 3 months
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6	Egress	Exit capacity is not adequate for the occupant load (734 persons). Location: 3rd Floor.	Reduce occupant load to not more than available exit capacity. Provide additional exits in the future to increase exit capacity.	Immediate
7	Egress	Storage was located in exit stairs.	Remove storage from the exit stairs and egress path	Immediate





8	Egress	Storage was located in the egress path. Location: Ground, 2nd & 3rd floors.	Keep egress path and stair clear of storage.	Immediate
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9	Egress	Common path of egress travel exceeds 23 meter. Locations: Ground floor (Ware house) & 4th floor (SE corner)	Reconfigure the egress arrangement to reduce the maximum common path of travel to not more than 23 meter.	Within 3 months
10	Egress	The width of egress aisles is less than 36-in. Locations: Ground, 1st, 2nd & 3rd floors.	Provide minimum aisle widths of 36-in.	Within 3 months



11	Stair Sign & Occupant Load sign	Building did not have stair designation signs or occupant load signs at the required locations.	Provide stair designation signs and occupant load signs at the required locations.	Within 3 months
12	Parapets or Guards	Parapets or guards are provided in occupied roof which is less than 1067mm (42 inch.).	Provide parapets or guards with a minimum height of 1067mm (42 inch.).	Within 3 months



13	Fire rated construction	Dinning space is not separated from others occupancies by fire rated construction	Remove dinning space from this location or, alternatively, provide minimum 3-hours fire rated separation.	Within 3 months
14	Fire Detection and Alarm System	Fire detection & alarm system installation requires detailed review to confirm compliance with NFPA 72 and ACCORD standards	Submit as-built drawings, testing records, listing information and other relevant documentation to the ACCORD for review and approval, modification shall have to be done as per the reviewed design (if required) Upon approval & installation/modification the owner shall contact the Accord prior to conducting the final acceptance testing of the fire detection & alarm system installation. Also inspect, test and maintain the fire detection & alarm system and keep written records on-site, in accordance with NFPA 72 and ACCORD standards.	Within 2 months (Design submission) & 6 months (Installation)
15	Fire Detection and Alarm System-ITM	Inspection, testing, and maintenance (ITM) for the fire detection system is not in accordance with NFPA 72.	Inspect, test and maintain the fire detection system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months (After complete installation)
16	Fire Protection	The standpipe system installation is going on without approval from AHJ.	Submit As-Built drawing to AHJ for approval and replace or modify the standpipe system in accordance with NFPA 14.	Within 2 months (Design submission) & 6 months (Installation)



17	Standpipe System-ITM	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 (After complete installation)
18	Fire pump ITM	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.	Within 1 month
19	Egress Lighting	Exit signage not illuminated (burned out, broken, etc.).	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs	Within 1 month
20	Egress Lighting	Emergency lighting did not function in test mode (burned out, broken, etc.).	Regularly test the emergency lighting system on each floor and replace/repair lights as needed	Within 1 month
21	Egress Lighting	Illuminated directional signs are not provided where direction of the path of travel to an exit has changed. Location: All floor.	Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious.	Within 1 month
22	Fire Extinguishers 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 and ACCORD standards.	Within 1 month



23	Emergency Lighting ITM	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 onsite.	Within 1 month
24	Egress Lighting	Based on the number and location of emergency lights/exit signs 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

