

# **FIRE SAFETY INSPECTION REPORT**

**BEST SHIRTS LTD.**

**35, KUNIA, BARO BARI, NATIONAL UNIVERSITY,  
GAZIPUR**

**OTHER FACTORIES: NONE**



**ACCORD**  
on Fire and Building Safety in Bangladesh

March 29, 2014

## **SUMMARY**

**Best Shirts Ltd. was surveyed for fire safety on 3/29/2014 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 |
|-----|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| F-1 | Fire Rated Construction | The boiler, generator and transformer rooms on ground floor are not separated by fire-rated construction (openings, non-rated doors and penetrations). | Separate the boiler, generator and transformer room by a minimum 2-hr fire-rated construction. Seal and protected all openings to maintain the required fire separations | Within 3 months       |





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| F-2 | Fire Rated Construction | The exit stairs are not separated from work areas on each floor by fire-rated construction. | <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 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 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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| F-3 | Fire Rated Construction | Unsealed penetrations on each floor is located in the fire-rated floor/ceiling assemblies. | Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level. | Within 3 months |
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Seal all penetrations in floor/ceiling assemblies to maintain the fire separation.





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| F-4 | Fire Rated Construction | Hazardous materials and flammable liquid storage area is not separated by fire-rated construction nearby parking area (openings, non-rated doors, penetrations). | Separate the hazardous materials / flammable liquid storage room 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-5 | Fire Rated Construction | Areas used for combustible storage on the 1st, 6th and 7th floors are not separated by fire-rated construction. | <p>Provide dedicated storage rooms separated by minimum 1-hr fire rated construction.</p> <p>Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows:</p> <ul style="list-style-type: none"><li>- Maximum height of 2.4m and maximum area of 23m<sup>2</sup></li><li>- If sprinkler protected: maximum height of 3.66m and maximum area of 93m<sup>2</sup></li></ul> <p>Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.</p> | Within 3 months |
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| F-6 | Fire Rated Construction | Unsealed openings for the chute are located in the north west corner on each floor. | Provide a minimum 2-hr fire-rated shaft to separate the utility risers from each floor level. | Within 3 months |
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| F-7 | Egress | Egress doors and gates with locking features by padlocks are provided at building exits, exit stairs and exit discharge. | Remove locking features from all egress doors / gates.<br><br>If locks are required for security reasons, utilize special door locking features complying with NFPA 101. | Immediate |
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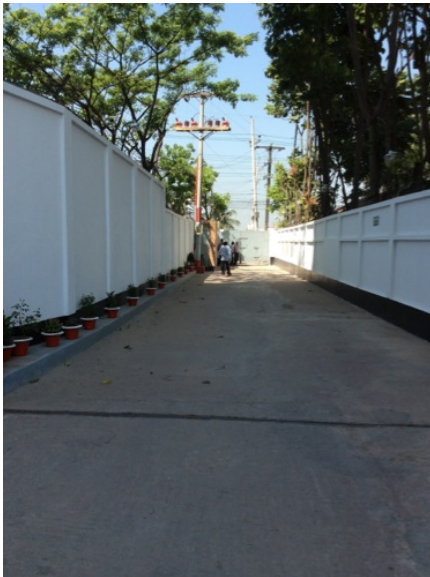
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| F-8 | Egress | The wood cabinet and wastebaskets were located in the exit stairs. | Remove all storage from exit stairs and egress paths. | Immediate |
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| F-9 | Egress | Collapsible doors, sliding gates and roll down shutters are provided at discharge floor, building exits and exit stairs. | Replace all gates / sliding doors along the means of egress with side-hinged, swinging egress doors.<br><br>If locks are required for security reasons, utilize special door locking features complying with NFPA 101. | Within 1 month |
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| F-10 | Fire Protection | The high-rise building has an occupied floor greater than 23m (75 ft) and is not provided with automatic sprinkler protection. The large occupant loads, heavy fuel loading, and anticipated extended egress times warrant sprinkler protection. | Provide automatic sprinkler protection throughout the building in accordance with NFPA 13. | Design within 6 months, install within 12 months |
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| F-11 | Fire Protection | Activation of the fire alarm system by a manual fire alarm station provides automatic occupant notification only above the two (2) floors of activated alarm and not throughout the building. | Configure the fire alarm system to initiate automatic occupant notification on all floor levels to facilitate whole-building evacuation upon any manual fire alarm station activation. | Within 1 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 |
| F-13 | Egress 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 accordance with The ACCORD standard. Keep written records on-site.                                                         | Within 3 months |