Structural Safety Inspection Report

Factory Name	Space Sweater Ltd (Jogitala)
Accord ID	23383
Factory Address	Shi-145/1, Jogitola, Joydebpur,
Date of Initial Inspection	02-Jul-2018
Date of Review Inspection	15-Mar-2020
Inspected by	Md. Abu Zafar-Al-Mansur

ACCORD
on Fire and Building Safety in Bangladesh

Item No	Accord Observation	Accord Recommendation	Accord Timeline	Final Action Plan	Final Timeline(dd-mmm-yyyy)	Comments after Physical Inspection	Progress Status	Pictorial Evidence
1	Foundation to be stressed above normal design limit	Maintain 3kPa live load on typical floor and 2kPa on toilet zone.	within 6 weeks	We already engage engineering consultant to do the above requirements of Detailed Engineering Assessment (DEA). Our consultant already done the DEA analysis as per Bangladesh National Building Code (BNBC) standard. After completion we already submit the DEA analysis to Accord on 9th September 2018	09-Sep-2018	**On 20/05/2019:** Load was found below 3 kPa on all floors and 2 kPa on toilet zone. **On 15-Mar-2020:** Corrected from previous inspection. During inspection load was found within 3 Kpa as per accepted load plan.	Corrected	
2	Foundation to be stressed above normal design limit	Factory Engineer to review design, loads and footings stresses and a Detail Engineering Assessment to be completed.	within 6 weeks	Based on this requirements we nominate a engineering consultant to do the detail engineering assessment (DEA). Our consultant done the DEA. We submitted the revised DEA to Accord on 30th January 2020	09-Sep-2018	**On 20/05/2019:** DEA has been prepared and submitted to ACCORD on 20/12/2018 which required some revision. Factory was required to submit revised DEA to ACCORD within 20/05/2019. **On 15-Mar-2020:** DEA of this factory has been reviewed and accepted from Accord on 26th Feb 2020.	Corrected	

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3	Foundation to be stressed above normal design limit	Produce and actively manage a loading plan for all floor plates within the factory, giving consideration to floor, column and foundation capacity.	within 6 weeks	Based on this requirements we nominate a engineering consultant to do the detail engineering assessment (DEA). Our consultant done the DEA. We submitted the revised DEA to Accord on 30th January 2020	09-Sep-2018	**On 20/05/2019:** Load plan has been prepared as part of DEA and submitted to ACCORD on 20/12/2018 which required some revision. Factory was required to submit revised DEA to ACCORD within 20/05/2019. However, load was found below 3kPa on all floors. **On 15-Mar-2020:** Load plan has been produced and accepted as a part of DEA. During inspection load was found within 3 Kpa as per accepted load plan.	Corrected	
4	Foundation to be stressed above normal design limit	Complete implementation of remedial works deemed necessary by the review design.	within 6 months	Based on this requirements we nominate a engineering consultant to do the detail engineering assessment (DEA). Our consultant done the DEA. We submitted the revised DEA to Accord on 30th January 2020	28-Feb-2019	**On 20/05/2019:** DEA has been prepared and submitted to ACCORD on 20/12/2018 which required some revision. Factory was required to submit revised DEA to ACCORD within 20/05/2019. Factory shall carry out remediation works (If necessary) as per accepted retrofitting drawings after receiving acceptance from ACCORD. **On 15-Mar-2020:** As per accepted DEA no remediation work is required.	Corrected	
5	Foundation to be stressed above normal design limit	Continue to implement loading plan.	within 6 months	Based on this requirements we nominate a engineering consultant to do the detail engineering assessment (DEA). Our consultant done the DEA. We submitted the revised DEA to Accord on 30th January 2020	28-Feb-2019	**On 20/05/2019**: Load plan has been prepared as part of DEA and submitted to ACCORD on 20/12/2018 which required some revision. Factory was required to submit revised DEA to ACCORD within 20/05/2019. However, load was found below 3kPa on all floors. **On 15-Mar-2020:** Load plan has been produced and accepted as a part of DEA. During inspection load was found within 3 Kpa as per accepted load plan.	Corrected	

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6	Discrepancies between provided drawings and on site condition	Building Engineer to confirm the number of rebar in columns and prepare accurate as-built survey information for the building.	within 6 weeks	Based on this requirements we nominate a engineering consultant to do the detail engineering assessment (DEA). Our consultant done the DEA. We submitted the revised DEA to Accord on 30th January 2020	09-Sep-2018	**On 20/05/2019:** As-built drawings have been prepared as part of DEA and submitted to ACCORD on 20/12/2018 which required some revision. Factory was required to submit revised DEA to ACCORD within 20/05/2019. **On 15-Mar-2020:** As-built drawing has been produced and accepted as a part of DEA. During inspection as-built drawing was generally matched with as-built condition.	Corrected	
7	Water ponding on roof.	Factory is required to provide water proofing layer and improve water drainage system to avoid water clogging.	within 6 weeks	We are working on this and will complete this within February 2020.	10-Oct-2018	**On 20/05/2019:** Factory has not provided any water proofing layer yet. But during inspection, no water ponding was observed. **On 15-Mar-2020:** Factory has provided water proofing and improved drainage system on roof slab in Main Production building.	Corrected	
8	Heavy water tank on roof.	Verify that supporting structures have adequate capacity to support heavy loading such as (10,000 liters) plastic water tank.	within 6 weeks	We removed heavy water tank from Roof. It completed on 1st October, 2019.	10-Oct-2018	**On 20/05/2019:** This issue is required to be covered under DEA. DEA has been prepared and submitted to ACCORD on 20/12/2018 which required some revision. Factory was required to submit revised DEA to ACCORD within 20/05/2019. **On 15-Mar-2020:** Those plastic water tanks have been removed from the highlighted areas.	Corrected	
9	Heavy water tank on roof.	Remedial works to be carried out if required.	within 6 months	We removed heavy water tank from Roof. It completed on 1st October, 2019.	28-Feb-2019	**On 20/05/2019:** This issue is required to be covered under DEA. DEA has been prepared and submitted to ACCORD on 20/12/2018 which required some revision. Factory was required to submit revised DEA to ACCORD within 20/05/2019. Factory shall carry out remediation works (If necessary) as per accepted retrofitting drawings after receiving acceptance from ACCORD. **On 15-Mar-2020:** As per accepted DEA no remediation work is required.	Corrected	

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10	No structural drawings for ancillary buildings.	Prepare an "as constructed" drawings which reflect the actual site dimensions with complete structural information.	within 6 weeks	Based on this requirements we nominate a engineering consultant to do the detail engineering assessment (DEA). Our consultant done the DEA. We submitted the revised DEA to Accord on 30th January 2020	10-Oct-2018	**On 20/05/2019:** As-built drawings have been prepared as part of DEA and submitted to ACCORD on 20/12/2018 which required some revision. Factory was required to submit revised DEA to ACCORD within 20/05/2019. **On 15-Mar-2020:** As-built drawing has been produced and accepted as a part of DEA. During inspection as-built drawing was generally matched with as-built condition.	Corrected	
11	Expose rebar and falling hazard risk at roof.	All exposed reinforcement is to be protected from corrosion which may cause degradation of the concrete.	within 6 weeks	we will protect the exposed reinforcement from corrosion by paint and concrete.	10-Oct-2018	**On 20/05/2019:** Factory has sealed the exposed rebar. **On 15-Mar-2020:** Corrected from previous inspection. Factory has cut the exposed rebar.	Corrected	
12	Expose rebar and falling hazard risk at roof.	Provide periphery railing/parapet wall to avoid possible falling hazard.	within 6 weeks	we already install railing & construct parapet wall in all required area with ensure the minimum height	10-Oct-2018	**On 20/05/2019:** Factory has provided parapet wall on the roof top to avoid possible falling. **On 15-Mar-2020:** Corrected from previous inspection. Factory has provided parapet wall at roof level to avoid falling hazard.	Corrected	
13	Lack of water proofing.	Factory is required to provide water proofing layer and improve water drainage system to avoid water clogging.	within 6 weeks	We are working on this and will complete this within February 2020.	10-Oct-2018	**On 20/05/2019:** Factory has not provided any water proofing layer yet. But during inspection, no water ponding was observed. **On 15-Mar-2020:** Factory has provided water proofing and improved drainage system on roof slab in Utility building.	Corrected