WATERPROOFNESS FINAL REPORT

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| **DOCUMENT REFERENCE: 190019** | | **TIS AGENCY: CPV ARABIA** | |
| **VERSION: 00** | | **DATE OF ISSUE: 18-Mar-2025** | |
| **RESPONSIBLE EXPERTS** | | | |
| **SURNAME, NAME** | **PHASE** | **DEGREE** | **SPECIALITY** |
| **Mansour, Ahmed** | **N/A** | **Civil Engineering** | **Civil Engineer** |
| **AUTOR of THIS REPORT:** Mohamed Eldapess  **PHONE NUMBER:** 581082681  **EMAIL:** meldapess@cpvarabia.com | | | |

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| **I – PROJECT INFORMATION** |
| **PROJECT TITLE (NAME):**  **ADDRESS OF THE PREMISES:** 537 ﻣﻨﻄﻘﺔ ﺍﻟﺒﺎﺣﺔ - ﻣﺤﺎﻓﻈﺔ ﺍﻟﻌﻘﻴﻖ - ﻣﺨﻄﻂ ﺭﻗﻢ 944 - ﻗﻄﻌﺔ ﺭﻗﻢ  **REFERENCE RD0:** 190019  **PRINCIPAL/OWNER:** ﻣﺒﺎﺭﻙ ﺩﺍﻳﺲ ﻣﺒﺎﺭﻙ ﺍﻟﺰﻫﺮﺍﻧﻲ  **BUILDINGS INCLUDED IN THE PROJECT AND ITS USE:**  The project is Residential. It consists of floor , Total Building height = m  The project consists of reinforced concrete beams and columns, founded on |
| **II – WATERPROOFING WORKS CONCERNED** |
| **PLEASE INDICATE THE WATERPROOFING WORKS CONCERNED:**  **ROOFS *– please complete ANNEX 1***  **FACADES *– please complete ANNEX 2***  **BASEMENTS *– please complete ANNEX 3*** |

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| **III – DATES CONTROL** | |
| **III.1. Occupancy** | **Date of Occupancy Certificate:** 01-Aug-2024  **Expected**  **Confirmed** |
| **III.2. WP Controls** | **Dates of site visit/s:**   |  |  |  |  | | --- | --- | --- | --- | | **Visit Reference** | **Date** | **Site inspector** | **Inspected part of the works** | | |  | | --- | | Visit1 | | |  | | --- | | 2025-03-18 | | |  | | --- | | Adel Alharbi | | |  | | --- | | Waterproofing Envelope Assessment | | |

ANNEX 1 - WATERPROOFING OF ROOFS

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| **TYPE OF ROOFS:**    **ROOF**  **ROOFTOP TERRACE**  **INTERMEDIATE TERRACE**  **PATIOS**  **OTHER:**  *Please complete a single annexe per roof concerned.* |
| **I –WORKS DESCRIPTION** |
| **I.1. Please describe the roof concerned by this annex (type, materials, layers, slope, manufacturer, thickness, location in the building, the junctions of the waterproofing system with other elements):**     * **Type and Material of Roof:** **Roof** * **Slope:** 1:1 * **Location in the building**: Top of the Building   **- Materials, Layers and Thicknesses:**   * 1234   **- Manufacturer:**   * 12345   **I.2. Does the WP system include innovative technique, procedure, or materials?**   **YES**   **NO**    *If YES, please describe them below including the reference to the RD2 report.* |

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| **II – MATERIALS OF THE WATERPROOFING SYSTEM** |
| Please answer the questions in every section and list the available documents with your comments:   1. **Delivery Orders - Material certificates**   **Are waterproofing materials delivery orders and/or certificates available?**   **YES**   **NO**    **Are the waterproofing materials used compliant with the design?**   **YES**   **NO**  **Reviewed documents:**  1. Architectural Plan  2. RD0 Report  3. Waterproofing Roof Warranty  4. RD6 Report  5. Waterproofing Site Visit Report   1. **Tests and quality control reports**   **Is the water ponding test report available?**   **YES**   **NO**  **Reviewed documents:**  1. Waterproofing Site Visit Report  2. Waterproofing Warranty  3. RD6 Report     1. **Other Reviewed documents:**   **1.**  **2.**  **3.**  **4.** |
| **III – MODIFICATIONS REGARDING RD0** |
| |  |  | | --- | --- | | **Was there any modification of the waterproofing system of the roofs, after issuing the RD0 report?** | **YES**  **NO** |      |  |  | | --- | --- | | **If YES, was there a validation of the modification/s (design/calculi)?** | **YES**   **NO** | | *If YES, please attach the justification by the project manager.* |  | | **Does the TIS find acceptable the modification (including the justification by project manager)?** | **YES**   **NO** | | *If NO, please issue a technical reservation. Ref.:* |  | | **Is the execution satisfactory?** | **YES**   **NO** | | *If NO, please issue a technical reservation. Ref.:* |  | |

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| **IV – ROOF WATERPROOFING TESTS** |
| |  |  | | --- | --- | | **Did you observe any defect or sign of damage regarding water roof infiltration?** | **YES**   **NO** | |
| **V – LIST OF THECHNICAL RESERVATIONS ISSUED** |
| |  |  |  | | --- | --- | --- | | **Technical reservations issued and closed:**   **YES**  **NO** | | | | **Concept** | **Issuing certificate (reference/date)** | **Closing certificate (reference/date)** | | |  | | --- | | 1234 | |  | | |  | | --- | | Columns - 2024-02-01 | | RD0 - | | |  | | --- | | 1234 | |  | |  |  |  |  | | --- | --- | --- | | **Technical reservations issued not closed:**   **YES**  **NO** | | | | **Concept** | **Issuing certificate (reference/date)** | **Expected date of closing or “FINAL”** | | |  | | --- | | 123456 | | |  | | --- | | Foundation - 2024-05-20 | | |  | | --- | | FINAL | | |
| **VI – FINAL CONCLUSION (DESIGN + EXECUTION)** |
| |  |  | | --- | --- | | **IS THE EXECUTION OF WORKS ADAPTED TO THE PROJECT? INCLUDING THE EVENTUAL MODIFICATIONS?** | **YES**  **NO** |   ***Please expose and developpe your answer above in detail.***  The roof waterproofing works in project number (**190019**) have been executed based on engineering principles. Therefore, the project is acceptable, CPV Arabia archived all documents and drawings for the project. |

ANNEX 2 - WATERPROOFING OF FAÇADE

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| **TYPE OF** **FAÇADE:**    **CONCRETE OR MASONRY**  **LADDING**  **CURTAIN WALL**  **OTHER:**  *Please complete a single annexe per type of façade concerned.* |
| **I –WORKS DESCRIPTION** |
| **I.1. Please describe the façade concerned by this annex (type, materials, layers, slope, location in the building, manufacturer, the junctions of the waterproofing system with other elements):**   * **Type and Material of Facades:** Concrete delivery note, ,   **- Materials, Layers and Thicknesses:**   * 12345   **- Manufacturer:**   * 1234   **I.2. Does the WP system include innovative technique, procedure, or materials?**   **YES**   **NO**    *If YES, please describe them below including the reference to the RD2 report.* |

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| **II – MATERIALS OF THE WATERPROOFING SYSTEM** |
| Please answer the questions in every section and list the available documents with your comments:   1. **Delivery Orders - Material certificates**   **Are waterproofing materials delivery orders and/or certificates available?**   **YES**   **NO**  ${Q3052}  **Are the waterproofing materials used compliant with the design?**   **YES**   **NO**  **Reviewed documents:**  1. Architectural Plan  2. RD0 Report  3.  4.   1. **Tests and quality control reports**   **Is the water ponding test report available?**  **YES**  **NO**  **Reviewed documents:**  1. Waterproofing Envelope Assessment Report  2.  3.  4.   1. **Other Reviewed documents:**   1.  2.  3.  4. |
| **III – MODIFICATIONS** |
| |  |  | | --- | --- | | **Was there any modification of the waterproofing system of the facade, after issuing the RD0 report?** | **YES**   **NO** |      |  |  | | --- | --- | | **If YES, was there a validation of the modification/s (design/calculi)?** | **YES**   **NO** | | *If YES, please attach the justification by the project manager.* |  | | **Does the TIS find acceptable the modification (including the justification by project manager)?** | **YES**   **NO** | | *If NO, please issue a technical reservation. Ref.:* |  | | **Is the execution satisfactory?** | **YES**   **NO** | | *If NO, please issue a technical reservation. Ref.:* |  | |

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| **IV – DEFECTS OBSERVED** |
| |  |  | | --- | --- | | **Did you observe any defect or sign of damage regarding water infiltration on the façade, including junctions?** | **YES**   **NO** | |
| **V – LIST OF THECHNICAL RESERVATIONS ISSUED** |
| |  |  |  | | --- | --- | --- | | **Technical reservations issued and closed:**   **YES**  **NO** | | | | **Concept** | **Issuing certificate (reference/date)** | **Closing certificate (reference/date)** | |  |  |  |  |  |  |  | | --- | --- | --- | | **Technical reservations issued not closed:**   **YES**  **NO** | | | | **Concept** | **Issuing certificate (reference/date)** | **Expected date of closing or “FINAL”** | | |  | | --- | | 1223 | | |  | | --- | | Foundation - 2024-02-01 | | |  | | --- | | FINAL | | |
| **VI – FINAL CONCLUSION (DESIGN + EXECUTION)** |
| |  |  | | --- | --- | | **IS THE EXECUTION OF WORKS ADAPTED TO THE PROJECT? INCLUDING THE EVENTUAL MODIFICATIONS?** | **YES**  **NO** |   ***Please expose and developpe your answer above in detail.***  The facade waterproofing works in project number (**190019**) have been executed based on engineering principles. Therefore, the project is acceptable, CPV Arabia archived all documents and drawings for the project. |

ANNEX 3 - WATERPROOFING OF BASEMENT

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| **I –WORKS DESCRIPTION** |
| **I.1. Please describe the basement concerned by this annex (type, materials, layers, slope, location in the building, the junctions of the waterproofing system with other elements, manufacturer):**  **- Materials, Layers and Thicknesses:**    **- Manufacturer:**  **I.2. Does the WP system include innovative technique, procedure, or materials?**   **YES**   **NO**    *If YES, please describe them below including the reference to the RD2 report.* |

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| **II – MATERIALS OF THE WATERPROOFING SYSTEM** |
| Please answer the questions in every section and list the available documents with your comments:   1. **Delivery Orders - Material certificates**   **Are waterproofing materials delivery orders and/or certificates available?**   **YES**   **NO**  **Are the waterproofing materials used compliant with the design?**   **YES**   **NO**  **Reviewed documents:**  1.  2.  3.  4.   1. **Tests and quality control reports**   **Is the water ponding test report available?**  **YES**  **NO**  **Reviewed documents:**  1.  2.  3.  4.   1. **Oher Reviewed documents:**   1.  2.  3.  4. |
| **III – MODIFICATIONS** |
| |  |  | | --- | --- | | **Was there any modification of the waterproofing system of the basement, after issuing the RD0 report?** | **YES**   **NO** |      |  |  | | --- | --- | | **If YES, was there a validation of the modification/s (design/calculi)?** | **YES**   **NO** | | *If YES, please attach the justification by the project manager.* |  | | **Does the TIS find acceptable the modification (including the justification by project manager)?** | **YES**   **NO** | | *If NO, please issue a technical reservation. Ref.:* |  | | **Is the execution satisfactory?** | **YES**   **NO** | | *If NO, please issue a technical reservation. Ref.:* |  | |

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| **IV – DEFECTS OBSERVED** |
| |  |  | | --- | --- | | **Did you observe any defect or sign of damage regarding water infiltration in the basement, including junctions?** | **YES**   **NO** |   *If YES, please issue a technical reservation. Ref.:*  *Describe it briefly:* |
| **V – LIST OF THECHNICAL RESERVATIONS ISSUED** |
| |  |  |  | | --- | --- | --- | | **Technical reservations issued and closed:**   **YES**  **NO** | | | | **Concept** | **Issuing certificate (reference/date)** | **Closing certificate (reference/date)** | |  |  |  |  |  |  |  | | --- | --- | --- | | **Technical reservations issued not closed:**   **YES**  **NO** | | | | **Concept** | **Issuing certificate (reference/date)** | **Expected date of closing or “FINAL”** | |  |  |  | |
| **VI – FINAL CONCLUSION (DESIGN + EXECUTION)** |
| |  |  | | --- | --- | | **IS THE EXECUTION OF WORKS ADAPTED TO THE PROJECT? INCLUDING THE EVENTUAL MODIFICATIONS?** | **YES**  **NO** |   ***Please expose and developpe your answer above in detail.***  The waterproofing works in project number (**190019**) have been executed based on engineering principles. Therefore, the project is acceptable, CPV Arabia archived all documents and drawings for the project. |

**Made in** (CITY)**,** (DATE)

**Technical Assistant to the engineer or Project Professional**

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| **Inspection Engineer** | **Area Inspection Moderator** | **Inspection Department Manger** |
|  |  |  |
| Mohamed Eldapess | Mohammed Abdulrahem | Ahmed Mansour |
|  |  |  |
| **Quality Control Manager** |  | **Technical Manager** |
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| Alaa Abdulkareem |  | Mahmoud ElMasry |

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| **Please list below any defect and disorder not repaired at the date of issuing of this report not being a technical reservation.** |
| **IV – LIST OF THECHNICAL RESERVATIONS NOT CLOSED** |
| |  |  |  | | --- | --- | --- | | **Technical reservations issued not closed at the date of issuing of the present report:**   **YES**  **NO** | | | | **Concept** | **Issuing certificate (reference/date)** | **Expected date of closing or “FINAL”** | |  |  |  | |