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 = mThe project consists of reinforced concrete beams and columns, founded on  |
| **II – WATERPROOFING WORKS CONCERNED** |
| **PLEASE INDICATE THE WATERPROOFING WORKS CONCERNED:**[x]  **ROOFS *– please complete ANNEX 1***[x]  **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** [x]  **Confirmed** |
| **III.2. WP Controls** | **Dates of site visit/s:**

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| **Visit Reference** | **Date** | **Site inspector** | **Inspected part of the works** |
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| Visit1 |

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| 2025-03-18 |

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| Adel Alharbi |

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| Waterproofing Envelope Assessment |

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ANNEX 1 - WATERPROOFING OF ROOFS

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| **TYPE OF ROOFS:**  [x]  **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?**  [x]  **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?**  [x]  **YES**  [ ]  **NO** **Are the waterproofing materials used compliant with the design?**  [x]  **YES**  [ ]  **NO****Reviewed documents:** 1. Architectural Plan 2. RD0 Report 3. Waterproofing Roof Warranty 4. RD6 Report 5. Waterproofing Site Visit Report1. **Tests and quality control reports**

**Is the water ponding test report available?**  [x]  **YES**  [ ]  **NO****Reviewed documents:** 1. Waterproofing Site Visit Report 2. Waterproofing Warranty 3. RD6 Report1. **Other Reviewed documents:**

 **1.** **2.** **3.** **4.** |
| **III – MODIFICATIONS REGARDING RD0** |
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| **Was there any modification of the waterproofing system of the roofs, after issuing the RD0 report?** |  [x]  **YES** [ ]  **NO** |

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| **If YES, was there a validation of the modification/s (design/calculi)?**  |  [x]  **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)?** |  [x]  **YES**  [ ]  **NO** |
| *If NO, please issue a technical reservation. Ref.:*  |  |
| **Is the execution satisfactory?**  |  [x]  **YES**  [ ]  **NO** |
| *If NO, please issue a technical reservation. Ref.:*  |  |

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| **IV – ROOF WATERPROOFING TESTS** |
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| **Did you observe any defect or sign of damage regarding water roof infiltration?** |  [ ]  **YES**  [x]  **NO** |

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| **V – LIST OF THECHNICAL RESERVATIONS ISSUED**  |
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| **Technical reservations issued and closed:**  [x]  **YES** [ ]  **NO** |
| **Concept** | **Issuing certificate (reference/date)** | **Closing certificate (reference/date)** |
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| 1234 |
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| Columns - 2024-02-01  |
| RD0 -  |

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| 1234 |
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| **Technical reservations issued not closed:**  [x]  **YES** [ ]  **NO** |
| **Concept** | **Issuing certificate (reference/date)** | **Expected date of closing or “FINAL”** |
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| 123456 |

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| Foundation - 2024-05-20 |

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| **VI – FINAL CONCLUSION (DESIGN + EXECUTION)** |
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| **IS THE EXECUTION OF WORKS ADAPTED TO THE PROJECT? INCLUDING THE EVENTUAL MODIFICATIONS?**  | [x]  **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:**  [x]  **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?**  [x]  **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?**  [x]  **YES**  [ ]  **NO** ${Q3052}**Are the waterproofing materials used compliant with the design?**  [x]  **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?** [x]  **YES** [ ]  **NO****Reviewed documents:** 1. Waterproofing Envelope Assessment Report 2. 3. 4.1. **Other Reviewed documents:**

 1. 2. 3.  4. |
| **III – MODIFICATIONS** |
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| **Was there any modification of the waterproofing system of the facade, after issuing the RD0 report?** |  [x]  **YES**  [ ]  **NO** |

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| **If YES, was there a validation of the modification/s (design/calculi)?**  |  [x]  **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)?** |  [x]  **YES**  [ ]  **NO** |
| *If NO, please issue a technical reservation. Ref.:*  |  |
| **Is the execution satisfactory?**  |  [x]  **YES**  [ ]  **NO** |
| *If NO, please issue a technical reservation. Ref.:*  |  |

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| **IV – DEFECTS OBSERVED** |
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| **Did you observe any defect or sign of damage regarding water infiltration on the façade, including junctions?** |  [ ]  **YES**  [x]  **NO** |

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| **V – LIST OF THECHNICAL RESERVATIONS ISSUED**  |
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| **Technical reservations issued and closed:**  [ ]  **YES** [x]  **NO** |
| **Concept** | **Issuing certificate (reference/date)** | **Closing certificate (reference/date)** |
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| **Technical reservations issued not closed:**  [x]  **YES** [ ]  **NO** |
| **Concept** | **Issuing certificate (reference/date)** | **Expected date of closing or “FINAL”** |
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| 1223 |

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| Foundation - 2024-02-01 |

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| **VI – FINAL CONCLUSION (DESIGN + EXECUTION)** |
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| **IS THE EXECUTION OF WORKS ADAPTED TO THE PROJECT? INCLUDING THE EVENTUAL MODIFICATIONS?**  | [x]  **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**  [x]  **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**  [x]  **NO** **Are the waterproofing materials used compliant with the design?**  [ ]  **YES**  [x]  **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** |
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| **Was there any modification of the waterproofing system of the basement, after issuing the RD0 report?** |  [ ]  **YES**  [x]  **NO** |

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| **If YES, was there a validation of the modification/s (design/calculi)?**  |  [ ]  **YES**  [x]  **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**  [x]  **NO** |
| *If NO, please issue a technical reservation. Ref.:*  |  |
| **Is the execution satisfactory?**  |  [ ]  **YES**  [x]  **NO** |
| *If NO, please issue a technical reservation. Ref.:*  |  |

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| **IV – DEFECTS OBSERVED** |
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| **Did you observe any defect or sign of damage regarding water infiltration in the basement, including junctions?** |  [ ]  **YES**  [x]  **NO** |

*If YES, please issue a technical reservation. Ref.:* *Describe it briefly:*  |
| **V – LIST OF THECHNICAL RESERVATIONS ISSUED**  |
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| **Technical reservations issued and closed:**  [x]  **YES** [ ]  **NO** |
| **Concept** | **Issuing certificate (reference/date)** | **Closing certificate (reference/date)** |
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| **Technical reservations issued not closed:**  [x]  **YES** [ ]  **NO** |
| **Concept** | **Issuing certificate (reference/date)** | **Expected date of closing or “FINAL”** |
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| **VI – FINAL CONCLUSION (DESIGN + EXECUTION)** |
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| **IS THE EXECUTION OF WORKS ADAPTED TO THE PROJECT? INCLUDING THE EVENTUAL MODIFICATIONS?**  | [x]  **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** |
|  |  |  |
| 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** |
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| **Technical reservations issued not closed at the date of issuing of the present report:**  [ ]  **YES** [x]  **NO** |
| **Concept** | **Issuing certificate (reference/date)** | **Expected date of closing or “FINAL”** |
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