**REPORT RD0**

**RISK DEFINITION**

**TECHNICAL RISK ANALYSIS**

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| --- | --- | --- | --- |
| **REFERENCE:**${REFERENCENO} | | | **TIS AGENCY:** ${TIS\_AGENCY} |
| **TECHNICAL/S RESPONSIBLE/S:**  **DESIGN:** *${DESIGN}*  **SITE INSPECTIONS:** *${SITE\_INSPECTIONS}* | | | |
| **REVISION:**  *${REVISION}* | **CONTACT:**  *${CONTACT}.* | | |
| **DATE OF ISSUE:**  *${DATE\_OF\_ISSUE}* | **FAX:** *${FAX}* | **PHONE:** *${PHONE}* | **EMAIL:** [*${EMAIL}*](mailto:mmubark@cpvarabia.com) |

**TITLE I**

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| **PRINCIPAL/OWNER:** *${OWNER}*  **PROPOSER (IF DIFFERENT):** *${PROPOSER}***.**  **PROJECT TITLE:** *${PROJECT\_TITLE}*  **ADDRESS:** *${ADDRESS}.*  **PROPOSED USE/OCCUPATION:** *${OCCUPATION}.*  **NUMBER OF BUILDINGS:** *${NUMBER\_OF\_BUILDINGS}* |
| **SCOPE OF MISSION:** ${SCOPE\_OF\_MISSION\_DESIGN} **DESIGN**  ${SCOPE\_OF\_MISSION\_DESIGN\_SITE\_INSPECTIONS} **DESIGN + SITE INSPECTIONS**  **- Date of TIS involvement:** *${Date\_of\_TIS\_involvement}*   * **Inspections from the commencement of Works** ${**Ins**\_YES} **YES** ${**Ins**\_NO} **NO** * **Missions:**   **S**  **W.1**  **E**  **W.2** ${**Mission\_Q**} **Q**  ${**Mission\_w3**} **W.3 X, specify:**  **S:** Solidity and stability, including the envelope elements  **W.x:** Waterproofing (**1**- Roofs, **2**- Façades, **3**-Basements)  **E:** Existing structures  **Q:** Works already started  **X:** Other  *The TIS controls, inspections and checks marked with an X above are based on as analysis of the project, according to the requirements of the demander.* |

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| **PARTIES INVOLVED**  **(Full name + Address)**  **DESIGN:** |
| **ARCHITECT:** ${**ARCHITECT**}  **STRUCTURAL DESIGNER:** ${**STRUCTURAL\_DESIGNER**}  **SOIL REPORT:** ${**SOIL\_REPORT**}  **CONSTRUCTION:** |
| **MAIN CONTRACTOR:** ${**CONTRACTOR**}  **SUBCONTRACTORS:** ${**SUBCONTRACTORS**}  **PROJECT SUPERVISOR:** ${**Project\_SUPERVISOR**}  **QUALITY TESTING FIRMS:**  **OTHER (SPECIFY):**  **COMMENTS ON REFERENCES OF ARCHITECTS, ENGINEERING CONSULTANTS AND CONTRACTORS OF THE OPERATION, PURPOSE OF THE INSPECTION, IF ANY:** NO REFERENCES AVAILABLE |
| **DOCUMENTS USED IN THIS REPORT**   * *STRUCTURAL DRAWINGS.* * *ARCHITECTURAL DRAWINGS.* * *BILLS OF QUANTITY.* * *SOIL INVESTIGATION REPORT.* * *PROPOSAL FORM FOR INHERENT DEFECT INSURANCE.*   Is there any other document or information missing which is needed for the completion of this report? **${ndoc1}** **YES ${ndoc2}** **NO**  If YES, please specify:  - ${B54}  - ${B55}  - ${B56}  - ${B57}  - ${B58}  - ${B59}  - ${B60}  - ${B61}  - ${B62}  - ${B63}  - ${B64}  - ${B65}  - ${B66}  - ${B67}  - ${B68} |

**CODE TABLE**

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| --- | --- | --- | --- |
| **NATURE OF WORKS** | **SOIL RISKS** | **STRUCTURE TYPE** | **SPECIFICATIONS** |
| **CODE N°1: CONSTRUCTION TYPE**  **A**  DETACHED OR SEMI-DETACHED  HOUSES UP TO GF+2 AND B-1  **B**  TERRACED HOUSES UP TO GF+3 AND B-1  **C1**  RESIDENTIAL BUILDINGS FROM  GF+4 TO GF+14 AND UP TO B-2  **C2**  RESIDENTIAL BUILDINGS FROM  GF+15 AND/OR FROM B-3  **D1**  OFFICES, HOTELS, SCHOOLS  **D2**  HOSPITALS, CLINICS  **D3**  COMMERCIAL BUILDINGS, RESTAURANTS, SHOPPING MALLS  **E1**  OTHER  PUBLIC BUILDINGS: THEATERS, RELIGIOUS  BUILDINGS, STATIONS  **E2**  STADES  **F1**  COMMON INDUSTRIAL  BUILDINGS, FACTORIES  **F2**  LOGISTIC PLATFORMS  **G1**  RESERVOIRS  **G2**  SPECIAL INDUSTRIAL  BUILDINGS, SMOKESTACKS,  TANKS, RETAINING WALLS, ETC  **H**  BRIDGES, FOOTBRIDGES,  JUNCTIONS AND OTHER WORKS | **CODE N°2: SLOPE**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 0 | 1 | 2 | 3 | 4 | | <5% | 5 to 10% | 10% to 20% | 20 to 30% | >30% |   **CODE N°3: GROUND WATER AND AGRESSIVENESS**   |  |  | | --- | --- | | 0 | no water table | | 3 | works below water table | | 4 | works above water table |  |  |  | | --- | --- | | N | non-aggressive water or soil | | Y | aggressive water or soil |   **CODE N°4: FOUNDATIONS**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | A | footings | | | | | | B | raft | | | | | | final settlement | 0 | 1 | 2 | 3 | 4 | | <2 cm | 2 to 5 cm | >5 cm |  |  | | C | piles or contiguous piles wall | | | | | | D | friction piles | | | | | | E | diaphragm wall | | | | | | F | shafts | | | | | | depth | 0 | 1 | 2 | 3 | 4 | | 0 to 3 m | 3 to 10 m | 10 to 25 m | 25 to 30 m | >30 m | | Z | Other foundation type | | | | |   **CODE N°5: GROUND SPECIFIC RISKS**   |  |  | | --- | --- | | O | no ground specific risks | | P | underground quarries, sinkholes, karsts | | Q | mining ground | | R | Anchored earth retaining structure  (h > 3 meters) | | S | underpinning, basement construction | | T | ground consolidation (grouting compaction; dynamic compaction/vibration) | | U | hazardous storage, concentrated surcharge loads, embankment | | V | Compressive layer | | W | founding on fill | | X | other ground risk | | Y | at least 2 ground specific risk | | Z | new foundation type | | CODE N°6: STRUCTURE  A  VERTICAL STRUCTURES MASONRY  B  REINFORCED CONCRETE CAST IN-SITU  **C**  PRECAST REINFORCED CONCRETE - PREFABRICATED IN FACTORY RESIDENTIAL BUILDINGS FROM  GF+4 TO GF+14 AND UP TO B-2  **D**  PRECAST REINFORCED CONCRETE - ON SITE  **E**  PRESTRESSED CONCRETE EXCL. POST-TENSIONED CONCRETE  **F**  STEEL WORKS - SITE ASSEMBLY  **G**  PRE-ASSEMBLED STEEL WORKS  **H**  ON SITE WELDING  **I**  TIMBER STRUCTURE  **X**  TRADITIONAL COMPOSITE STRUCTURE  **Y**  WORKS ON EXISTING STRUCTURES - BASEMENT CONSTRUCTION - NEW FLOORS  **Z**  NEW STRUCTURAL SYSTEMS INCL. POST-TENSIONING | **CODE N°7: FACADE**   |  |  | | --- | --- | | A | concrete wall or masonry | | B | sandwich or timber panels | | C | curtain walls – steel frame glazing | | D | curtain walls – glazing fixed with glue | | E | curtain walls – glazing fixed bolts | | F | breathable glazed curtain wall | | G | cable curtain wall | | Z | other type |   **CODE N°8: HEIGHT**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | 0 | 1 | 2 | 3 | 4 | | Height - Ho | <25m | 25 to 35m | 35 to  60m | 60 to 100m | >100m | | Maximum Headroom - Hp | <8m | 8 to 15m | 15 to  35 m | 35 to 50m | >50m |   **CODE N°9: DEPTH**   |  |  |  |  |  | | --- | --- | --- | --- | --- | |  | 1 | 2 | 3 | 4 | | Depth | <5m | 5 to 10m | 10 to 15m | >15m |   **CODE N°10: SPANS**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | 0 | 1 | 2 | 3 | 4 | | Spans | <15m | 15 to 20m | 20 to 30m | 30 to 40m | >40m | | Spans (timber) | <10m |  |  |  | >10m |   **CODE N°11: CANTILEVER**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | 0 | 1 | 2 | 3 | 4 | | Cantilever | None | 0 to 2m | 2 to 5m | 5 to 10m | >10m |   **CODE N°12: SITE EXPOSED**   |  |  |  | | --- | --- | --- | |  | 0 | 1 | | Distance to the sea | >5km | <5km |   **CODE N°13: WND SENSITIVITY**   |  |  | | --- | --- | | 0 | Concrete or masonry structure | | 1 | Steel, timber or composite structure |   **CODE N°14: WATERPROOFING OF ROOFS**   |  |  | | --- | --- | | A1 | pitched roof - tiles | | A2 | pitched roof - steel roof-deck | | A3 | pitched roof - sandwich panels | | B1 | flat roof-non practicable normal waterproofing | | B2 | flat roof-non practicable inverted waterproofing | | B3 | flat roof-practicable normal waterproofing | | B4 | flat roof-practicable inverted waterproofing |   **CODE N°15: WATERPROOFING OF BASEMENT**   |  |  | | --- | --- | | A | External treatment (PVC, bitumen based,  polyurethane membranes) | | B | Crystallization technology by concrete additive | | C | Other | | Z | No basement | |

**PROJECT OVERALL VIEW**

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| **CODE** | ***1*** | ***2*** | ***3*** | ***4*** | ***5*** | ***6*** | ***7*** | ***8*** | ***9*** | ***10*** | ***11*** | ***12*** | ***13*** | ***14*** | ***15*** |
| **BUILD.1** | *${Code1}* | *${Code2}* | *${Code3}* | *${Code4}* | *${Code5}* | *${Code6}* | *${Code7}* | *${Code8}* | *${Code9}* | *${Code10}* | *${Code11}* | *${Code12}* | *${Code13}* | *${Code14}* | *${Code15}* |
| **Concerning the code table above, please complete one line per building/structure and explain each code below. PLEASE EXPLAIN IF SEVERAL CODES INDICATED IN THE SAME CASE.**  *CODE 1: ${Code1text}*  *CODE 2: ${Code2text}*  *CODE 3: ${Code3text}*  *CODE 4: ${Code4text}*  *CODE 5: ${Code5text}*  *CODE 6: ${Code6text}*  *CODE 7: ${Code7text}*  *CODE 8: ${Code8text}*  *CODE 9: ${Code9text}*  *CODE 10: ${Code10text}*  *CODE 11: ${Code11text}*  *CODE 12: ${Code12text}*  *CODE 13: ${Code13text}*  *CODE 14: ${Code14text}*  *CODE 15: ${Code15text}*  **Summary description of the work, nature of the foundations and of the structure, specify the particularities (for example the presence of a ground water level and its position in relation to the last basement, the presence of basements or existing buildings along an excavation).**  *${B148}*  *${B149}* | | | | | | | | | | | | | | | |

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| **DRAWINGS**  **Please annex the following drawings, if available:**  **LOCATION**  **GENERAL DRAWING**  **PLANS**  **SECTIONS**  **FACADES & ROOFS & TERRACES**  **FOUNDATIONS**  **OTHER, PLEASE SPECIFY:**  THESE DRAWINGS ARE ATTACHED IN ANNEX I. DRAWINGS. |
| **PROVISIONAL TOTAL COST OF WORKS**   |  |  | | --- | --- | | Are Architect and Engineering Consultants fees included in the cost of the works:(constant) | YES  NO |  1. Total cost of the works: ${**Total\_cost**} 2. Structural works: ${**Structural**} 3. Envelope: ${**Envelope**} 4. Non-structural works: ${**nstructural**} 5. Equipment, fixtures, and fittings: ${**Equipment**} 6. External works: ${**External\_works**} 7. Design and professional fees: ${**CONTRACTOR**} 8. Taxes: ${**Taxes**}  |  |  | | --- | --- | | Is there any special equipment (industrial machinery used in the manufacture of products or services) included in the cost other than those usually used in common constructions? (constant) | YES  NO |   If so, please specify: Nature:  Cost:  **DATES AND CONSTRUCTION TIMES**  Expected duration of work (months): ${**expected\_months**}  Date of commencement of construction: ${**Date\_of\_construction**}  Date of the first on-site visit of the Inspection Agency: ${**first\_onsite\_visit**}  Expected date of practical completion: ${**Date\_of\_completion**} |

**TITLE II**

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| **SITE DESCRIPTION**  Is the building likely to be flooded (river, lake or sea, ground water level)? ${**N200**}  YES ${**N201**}  NO  Maximal level of the ground water level to ground floor and to the last basement:  ${**B202**}  - Ground floor level is ${**gfloor\_level**} m.  ${**Basement**}  ${**lbasement**}  Is there a system to prevent the effect of the water under-pressure? ${**wup1**} **YES** ${**wup2**} **NO**  If YES, please specify:  Is the building located in a seismic area? ${Region} YES  NO  If YES, could you specify the level of protection? (Specify: statutory or contractual?): statutory  Acceleration value: PGA=${PGA}}g .  Indicate in % the ground slope: ${slope} %.  If >15%, was the landslide risk evaluated in the Geotechnical Report and/or the design? ${landslide\_risk}  If NO, please make a reserve in conclusions.  Is the building located in a cyclone area?  YES  NO  Wind speed considered in the calculations (km/h): approximately ${Windspeed} km/h  Is snow load applicable?  YES  NO  If so, snow load value:  Is the site located in a hostile environment (<5 km sea, soil, and underground water)? ${**lh1**}  YES ${**lh2**} NO  If YES, specify the nature and the protection provided:  ${located\_hostile\_nature}  ${located\_hostile\_nature1}  ${located\_hostile\_nature2}  ${located\_hostile\_protection}  ${located\_hostile\_protection1}  **GEOLOGY - TOPOGRAPHY – FOUNDATIONS**  Has a geotechnical engineer been involved in the design?  YES  NO  Is there a geotechnical report?  YES  NO  (If YES, please indicate the scope, number, and type of geotechnical tests and describe the layers including thickness).  Number of boreholes*:* ${nBoreholes}   * ${BH1} * ${BH2} * ${BH3} * ${BH4} * ${BH5} * ${BH6} * ${BH7}   TYPE OF TESTS AND TRIALS:   * ${Moisture\_Content} * ${Test\_Parameters} * ${Atterberg\_Limits} * ${Soil\_Quality} * ${RQD} * ${Chemical} * ${Humidity} * ${PSDistribution} * ${TCR} * ${Organic} * ${Gravity} * ${FSwelling} * ${Collapse} * ${Consolidation} * ${C254}   Description of the layers including thickness:  ${D64t}  ${D64i} |

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| Are the adopted foundations founded on natural soil? ${natural\_soil1} **YES** ${natural\_soil2} **NO**  Depth of excavation: ${D89} m from the street level.  Depth of soil supporting foundations: ${D88} m from the street level.  Nature of soil supporting foundations: ${D55}  All earthworks to be performed shall be compliant with the recommendations indicated in the geotechnical report.  Please describe the foundations (level of foundation, bearing capacity, bearing pressure):   * ${B268} * Bearing Capacity: ${D67} kg/cm2.   Are the conclusions of the Geotechnical Report relevant? ${GeotechnicalR1} **YES** ${GeotechnicalR2} **NO**  If NOT, please explain the reason:  ${B271}  Is the ultimate settlement indicated in the geotechnical report?  YES  NO  Please indicate the value:   * ${D103} mm.   Is the foundation system in line with the soil report? ${f\_soil1} **YES** ${f\_soil2} **NO**  If NOT, please precise the differences and the reason: ${B275}  Has the RD1 report been filled in?  YES  NO  If YES, please mark below the reason:  Presence of back fill or compressible or expansible layers being used as foundations for the works  Presence of piles, diaphragm walls or shafts superior to 3 m deep  Presence of ground slopes exceeding 30% or cliffs sides  Risk of ground sliding after soils excavation  Are additional surveys needed? ${N281Y} **YES** ${N281N} **NO**  If YES, please precise: ${B281} |

**TITLE III**

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| **The items below must be descripted briefly but detailed enough to include any relevant information.**  The used technologies must be specified where is possible: traditional construction, prefabricated structural elements, steel/concrete mixed structures, pre-tensioned (factory or site), welding (factory or site), etc  It is a traditional system.  **Please indicate if innovative materials or technics are used which means (completion of RD2 report mandatory).**  No innovative materials or technics are used.  **VERTICAL STRUCTURES**  Full description of the adopted model.  The structure system used is concrete cast in-place reinforced concrete frames.    Are there non-vertical loads/transfer structures?  YES  NO  **VERTICAL ELEMENTS (COLUMNS, BEARING WALLS)**   * Nature (reinforced or prestressed concrete, metal, timber...): ${B300}.   If concrete, please note the type:    ${B297}  ${B298}    **HORIZONTAL STRUCTURAL ELEMENTS**  **FOUNDATIONS**  Nature (concrete, masonry, ..): ${B301}.  ${B302}  **Footings**  ${B303}  ${B304}  **FLOOR SLABS**  Nature (reinforced or prestressed concrete, metal, timber...): ${B311}.  ${B307}  ${B308}  ${B309}  ${B310}  **BALCONIES**  ${B312}  **ROOF STRUCTURAL ELEMENTS**   * Please note if those are: ${flat}FLAT ${pitched}PITCHED   If flat, similar to floor slab? ${flatyes} YES  NO  If NO indicate modifications:  If pitched, please note its main characteristics:  **HEAVY FACADES**  Type, total thickness, rendering, cladding...  (Specify load-bearing facades or not, precast, or not.)  **Façade details:**  ${B325}  **LIGHT-WEIGHT FACADES**  ${B327}  Frame (aluminum, steel, timber or other): ${B328}  Filling (glass, composite wall, in this case, specify the constitution): ${B328}  Total surface of each type of façade:  Possibility to replace the façade elements easily:  YES  NO  **HORIZONTAL STABILITY**   * Traditional structural elements (frame, inner walls, bracings...)? ${INVY}YES ${INVN}NO   If not: fill in the complementary report RD2  Traditional structural elements are reinforced concrete frames.  **BASEMENT WATERPROOFING**  ${B336}  Presence of water (water flow, water table)? ${N337\_YES} YES ${N337\_NO}NO  ${B338}  If YES: solution chosen (waterproofness, drainage, and shaft lining...)   * waterproofing system: ${B340}   **FACADE WATERPROOFING**  The facade would be built with bricks. No specification has been found regarding façade waterproofing insulation.  **ROOF WATERPROOFING**  **Roof details:**  ${B345}  ${B345i}  **GROUND SLAB**  Is the ground slab suspended?  YES  NO  If NOT, is the ground slab bearing on backfill? ${B354\_YES} YES ${B354\_NO} NO  Maximum thickness of backfill: ${B355}  Loads:  Spread:  YES  NO Value: not informed  Concentrating/rolling:  YES  NO Value:  Other:  YES  NO Value: |
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**TITLE IV**

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| **IDENTIFIED AGGRAVATING RISKS AND ADDITIONAL INFORMATION:**  *(For example, large span beams or slabs, foundation for heavy and/or vibrating machinery, etc.)*   * *It is necessary to submit the documents indicated in title I, referring to the documents used in this report.* (constant)   ***Solidity and stability (Mission S):***   * ${B366} * ${B367} * ${B368} * ${B369} * ${B370} * ${B371} * ${B372} * ${B373} * ${B374} * ${B375} * ${B376} * ${B377} * ${B378} * ${B379} * ${B380} * ${B381} * ${B382} * ${B383} * ${B384} * ${B385} * ${B386} * ${B387} * ${B388} * ${B389} * ${B390} * ${B391} * ${B392} * ${B393} * ${B394} * ${B395} * ${B396} * ${B397} * ${B398} * ${B399} * ${B400} * ${B401} * ${B402} * ${B403} * ${B404} * ${B405} * ${B406} * ${B407} * ${B408} * ${B409} * ${B410} * ${B411} * ${B412} * ${B414} * ${B413} * ${B415} * ${B416} * ${B417} * ${B418} * ${rowR1Value#} * ${rowR2Value#} * ${rowR3Value#} * ${rowR4Value#}   ***Waterproofing (Mission W.1 and W.2):***  ***Façade:***   * *${B420}* * *It was not specified how the connection between the masonry of the facade and the concrete structure is made.* (constant) * *No specification has been found regarding insulation and waterproofing of the joints between different types of facades.* (constant) * *xxxx (free text).* *(Direct question)*   ***Roof:***   * *${B424}* * *${B425}* * *${B426}* * *It was not specified how the waterproofing of the roof will be carried out, which could lead to water infiltration in the structural elements.* (constant) * *It was not specified if gutters and flashings will be used on the parapet, or how the waterproofing of the same will be carried out, which could lead to water infiltration in the structural elements.* (constant) * *xxxx (free text).* *(Direct question)* |
| **TECHNICAL STANDARDS USED IN THE PROJECT:**   * 301 Structural – Loading and Forces. * 302 Structural – Testing and Inspection. * 303 Structural – Soil and Foundations. * 304 Structural – Concrete Structures. * 305 Structural – Masonry Structures. * SBC 306 Structural – Steel Structures.   Are they relevant?  YES  NO  If NOT, please specify why: |

**TITLE V**

**CONCLUSIONS**

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| Basic document drawn up: RD0 of 15pages and 13 pages for the annexes.  Additional reports needed to estimate the risks and issuing date:  RD1 Special Foundation Report – Expected date: ${B453}  RD2 Innovative materials/procedures report – Expected date:  RD3 Waterproofing assessment report (Waterproofing Certificate Approval) – Expected date: ${B455}  RD5 Works interruption report – Expected date:  RD6 Final risk assessment report (Certificate of Approval) – Expected date: ${B457}  **RISK TECHNICAL ASSESSMENT**  (Risk assessment based on the checked documents. Please specify topics requiring special focus).  Within the scope of its mission, the CPV, based on the technical documentation received from the project and after its general preliminary analysis and reflected in this report, it is considered that the TECHNICAL RISK IS AGGRAVATED However, If the questions raised in this report are clarified, some of the aggravating situations can be reduced to a normal risk situation.  A list of AGGRAVATING RISKS is included in title IV of this document.  *technical reserves were opened: ${B461}* |
| Does the risk require the involvement of any TIS headquarter expert?  YES NO If YES, specify the reason:  Minimum number of site visits: ${B464}  ${B465}   * ${B466} * ${B467} * ${B468} * ${B469} |

Riyadh, ${B473}

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| THE TECHNICIAN/S IN CHARGE OF THE CONTROL  ${B477}  ENG.${curusername}  Civil Engineer  Project Analysis Department Manager    ENG. MAHMOUD ELMASRY  Civil Engineer  **TECHNICAL RESERVATION 01**  **Reference of the file:**  ${E543}(IDI) **Emission date:**${N543}(constant)  **Control office:** Riyadh (constant)  **The technician in charge of the control:**  **Of the project:** ${}. (constant)  **Of the execution:** Khaled Mousa  **DEVELOPER/ PROPERTY:** ${E548} (IDI)  **Name of the Project:** ${E549}. (constant)  **CIRCULATION: INSURED, POLICYHOLDER ☒**  **(Mandatory and direct) PROJECT AUTHOR ☒**  **DIRECTION OF WORK ☒**  **INSURANCE ENTITY ☒**   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | T | R | - | 0 | 1 | ${FN1} | ${FN2} | ${FN3} | ${FN4} | ${FN5} | ${FN6} |   **TECHNICAL RESERVATION Nº**   |  | | --- | | **CONCEPT / DESCRIPTION:**  ${B375}  **TOTAL**  **PARCIAL**  **REPERCUSSIONS AND EFFECTS:**  Damage to the overall stability and possibility of torsion.  **TERM OF REMEDY:**  Provide the following information:     * Structural calculation considering the high wind speed.   Once this documentation has been provided, CPV will be able to evaluate it and decide with respect to this risk. |     **TECHNICAL RESERVATION 02**  **Reference of the file:**  ${E543}(IDI) **Emission date:**${N543}(constant)  **Control office:** Riyadh (constant)  **The technician in charge of the control:**  **Of the project:** ${}. (constant)  **Of the execution:** Khaled Mousa  **DEVELOPER/ PROPERTY:** ${E548} (IDI)  **Name of the Project:** ${E549}**. (constant)**  **CIRCULATION: INSURED, POLICYHOLDER ☒**  **(Mandatory and direct) PROJECT AUTHOR ☒**  **DIRECTION OF WORK ☒**  **INSURANCE ENTITY ☒**   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | E | 0 | 2 | 1 | 0 | ${FN1} | ${FN2} | ${FN3} | ${FN4} | ${FN5} | ${FN6} |   **TECHNICAL RESERVATION Nº**   |  | | --- | | **CONCEPT / DESCRIPTION:**  ${B378}  **TOTAL**  **PARCIAL**  **REPERCUSSIONS AND EFFECTS:**  Damage to the overall stability.  **TERM OF REMEDY:**  A seismic calculation must be provided in these cases.  Once this documentation has been provided, CPV will be able to evaluate it and decide with respect to this risk. | |

# ANNEX I. DRAWINGS.

**LOCATION**

**${map1}**

**${map2}**