TIS Visit

**Inspection Report - Precast**

**Branch:** ${Branch}  **Insurance Company: Malath**

|  |  |
| --- | --- |
| **IDI RFP #: ${REFERENCENO}** | |
| **Owner’s name: ${Owner}** | **Contractor: ${Contractor}** |
| **Site Location: ${SiteLocation}** | **Project Type: ${ProjectType}** |
| **Number Of Buildings: ${NumberOfBuildings}** | **Inspection Stage: Ground Beam - ${Describe}** |
| **Visit No: ${NoVisits}** | **Date of inspection: ${DateOfInspection}** |
| **Inspector Name**: **${InspectorName}** | **Telephone: ${Telephone}** |
| **E-Mail: ${Email}** | **TIS Agency: CPV ARABIA** |

|  |
| --- |
| **General picture of the project**  ${Image1} |
| **Picture of the constructional plans (From the Site)**  ${Image2} |

**Precast Inspection**

***Inspection Checklist***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Check | Risk Assessment | | |
| Yes | No | N\A |
| **1** | **Inspection criteria** |  |  |  |
| 1.1 | Were there any differences in the project from the RD0, Soil Report and Constriction Plans...etc.)? | ${Check1\_1} | ${Check1\_2} | ${Check1\_3} |
| 1.2 | During the inspection was the technical reserves in the RD0 maintained? | ${Check2\_1} | ${Check2\_2} | ${Check2\_3} |
| 1.3 | During the inspection is the site ready for the TIS Visit? | ${Check3\_1} | ${Check3\_2} | ${Check3\_3} |
| 1.4 | Are there any defects in the execution of the structural element inspected that can affect the building’s stability? | ${Check4\_1} | ${Check4\_2} | ${Check4\_3} |
| **2** | **Checklist** |  |  |  |
| 2.1 | Are there any visible damage or defects in the precast components? | ${Check5\_1} | ${Check5\_2} | ${Check5\_3} |
| 2.2 | Do the delivery notes match the precast elements? | ${Check6\_1} | ${Check6\_2} | ${Check6\_3} |
| 2.3 | Do the dimensions of the precast elements comply with the drawings and specifications? | ${Check7\_1} | ${Check7\_2} | ${Check7\_3} |
| 2.4 | Are there any deviations from the specified geometrical tolerances? | ${Check8\_1} | ${Check8\_2} | ${Check8\_3} |
| 2.5 | Is the surface finish of the precast components uniform, smooth, and free from defects? | ${Check9\_1} | ${Check9\_2} | ${Check9\_3} |
| 2.6 | Are there any cracks, chips, spalls, or other surface imperfections? | ${Check10\_1} | ${Check10\_2} | ${Check10\_3} |
| 2.7 | Is the surface free from contaminants or coatings that may affect bonding? | ${Check11\_1} | ${Check11\_2} | ${Check11\_3} |
| 2.8 | Are the anchors, and inserts comply with the drawings? | ${Check12\_1} | ${Check12\_2} | ${Check12\_3} |
| 2.9 | Are the (anchors, and inserts) installed correctly and able to bear the load capacity? | ${Check13\_1} | ${Check13\_2} | ${Check13\_3} |
| 2.10 | Are the connections between precast components properly aligned and fitted? | ${Check14\_1} | ${Check14\_2} | ${Check14\_3} |
| 2.11 | Are the specified joint details and sealants installed correctly? | ${Check15\_1} | ${Check15\_2} | ${Check15\_3} |
| 2.12 | Are there any gaps, or defects in the connections? | ${Check16\_1} | ${Check16\_2} | ${Check16\_3} |
| 2.13 | Does the installation comply with approved construction methods, industry standards, and applicable codes? | ${Check17\_1} | ${Check17\_2} | ${Check17\_3} |
| 2.14 | Are the structural elements, systems, and components properly aligned, connected, and secured? | ${Check18\_1} | ${Check18\_2} | ${Check18\_3} |
| 2.15 | are there voids or incomplete grouting? | ${Check19\_1} | ${Check19\_2} | ${Check19\_3} |
| 2.16 | Are there any projecting bars present in the column-column connection? | ${Check20\_1} | ${Check20\_2} | ${Check20\_3} |
| 2.17 | Do the projecting bars meet the specified requirements in terms of size, length, and positioning? | ${Check21\_1} | ${Check21\_2} | ${Check21\_3} |
| 2.18 | Were dowels used to connect the columns with the beams in the column-beam connection? | ${Check22\_1} | ${Check22\_2} | ${Check22\_3} |
| 2.19 | Are the dowels properly installed and meet the specified requirements in terms of size, length, and positioning? | ${Check23\_1} | ${Check23\_2} | ${Check23\_3} |
| 2.20 | Is there proper alignment and levelness between the slab and the supporting beams? | ${Check24\_1} | ${Check24\_2} | ${Check24\_3} |
| 2.21 | Are there any visible gaps or voids between the slab and the beam, indicating poor connection? | ${Check25\_1} | ${Check25\_2} | ${Check25\_3} |
| 2.22 | Has the concrete been properly poured and consolidated around the beam-slab connection area? | ${Check26\_1} | ${Check26\_2} | ${Check26\_3} |
| 2.23 | Are the hollow core slabs properly aligned and positioned for the connection? | ${Check27\_1} | ${Check27\_2} | ${Check27\_3} |
| 2.24 | Are the specified joint details and sealants installed correctly to ensure proper waterproofing and fire resistance? | ${Check28\_1} | ${Check28\_2} | ${Check28\_3} |
| 2.25 | Are the supporting elements, such as beams or walls, adequately prepared to receive the hollow core slabs? | ${Check29\_1} | ${Check29\_2} | ${Check29\_3} |
| 2.26 | Are the specified connection details, such as dowels or connectors, properly installed and aligned with the precast hollow core slabs? | ${Check30\_1} | ${Check30\_2} | ${Check30\_3} |
| 2.27 | Are the connection elements securely embedded within the hollow core slabs and the supporting elements? | ${Check31\_1} | ${Check31\_2} | ${Check31\_3} |
| 2.28 | Is there proper grouting or bonding material used to enhance the connection between the hollow core slabs and the supporting elements? | ${Check32\_1} | ${Check32\_2} | ${Check32\_3} |
| 2.29 | Are there any visible signs of cracking, separation, or distress at the hollow core slab connections? | ${Check33\_1} | ${Check33\_2} | ${Check33\_3} |

***Project Photos***

|  |
| --- |
| ${Image3}  ${Image3Desc} |

|  |
| --- |
| ${Image4}  ${Image4Desc} |

|  |
| --- |
| ${Image5}  ${Image5Desc} |

|  |
| --- |
| ${Image6}  ${Image6Desc} |

***Summary***

**Inspection results**

${Check1} **Approved.**

${Check2} **Approved with observations.**

${Check3} **Approved, Technical reservation.**

${Check4} **Rejected, requires an additional visit.**

${Check5} **Rejected, Missing stage requires RD5.**

**Technical Inspection Result and Comments**

|  |
| --- |
| ${Summary} |

**“End of the report”**