TIS Visit

**Inspection Report - Steel Structure**

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

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

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

**Steel Structure Inspection**

***Inspection Checklist***

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| --- | --- | --- | --- | --- |
| 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 the steel delivery notes Provided? | ${Check5\_1} | ${Check5\_2} | ${Check5\_3} |
| 2.2 | Are the anchor’s grade, diameter, number, and direction executed as per the construction drawing? | ${Check6\_1} | ${Check6\_2} | ${Check6\_3} |
| 2.3 | Is embedment length as per drawings? | ${Check7\_1} | ${Check7\_2} | ${Check7\_3} |
| 2.4 | Are the steel members free from visual defects, rust, and cambering? | ${Check8\_1} | ${Check8\_2} | ${Check8\_3} |
| 2.5 | Are the Thicknesses of the flange and webs as per the drawings? | ${Check9\_1} | ${Check9\_2} | ${Check9\_3} |
| 2.6 | Is Stiffener plates as per drawings? | ${Check10\_1} | ${Check10\_2} | ${Check10\_3} |
| 2.7 | Are the welding surfaces free from dust, rust, slags, continuity, and cracks? | ${Check11\_1} | ${Check11\_2} | ${Check11\_3} |
| 2.8 | Are the columns cross-section as per dwgs? | ${Check12\_1} | ${Check12\_2} | ${Check12\_3} |
| 2.9 | Are the columns properly set on the concrete base? | ${Check13\_1} | ${Check13\_2} | ${Check13\_3} |
| 2.10 | In the case of grouting, is the grouting gap thickness as plans? | ${Check14\_1} | ${Check14\_2} | ${Check14\_3} |
| 2.11 | Is the column-plate welding according to drawings? | ${Check15\_1} | ${Check15\_2} | ${Check15\_3} |
| 2.12 | Are the columns properly plumbed? | ${Check16\_1} | ${Check16\_2} | ${Check16\_3} |
| 2.13 | Are the stiffeners properly cut to avoid residual welding tensions? | ${Check17\_1} | ${Check17\_2} | ${Check17\_3} |
| 2.14 | Is the beam's cross-section as per the drawings? | ${Check18\_1} | ${Check18\_2} | ${Check18\_3} |
| 2.15 | Are the beams welding-to-plates as per the drawings? | ${Check19\_1} | ${Check19\_2} | ${Check19\_3} |
| 2.16 | In the case of an eave-bolted connection, is it as per the drawings? | ${Check20\_1} | ${Check20\_2} | ${Check20\_3} |
| 2.17 | In the case of the apex bolted connection, is it as per the drawings? | ${Check21\_1} | ${Check21\_2} | ${Check21\_3} |
| 2.18 | Are the tie beams cross-section as per the drawings? | ${Check22\_1} | ${Check22\_2} | ${Check22\_3} |
| 2.19 | Are the tie beams welding-to-plates as per the drawings? | ${Check23\_1} | ${Check23\_2} | ${Check23\_3} |
| 2.20 | Are the bracing cross-sections as per the drawings? | ${Check24\_1} | ${Check24\_2} | ${Check24\_3} |
| 2.21 | Are the bracing connected to columns or rafters as per the drawings? | ${Check25\_1} | ${Check25\_2} | ${Check25\_3} |
| 2.22 | In the case of bracing, are located as per drawing? | ${Check26\_1} | ${Check26\_2} | ${Check26\_3} |
| 2.23 | Are the purlins cross-sections according to the drawings? | ${Check27\_1} | ${Check27\_2} | ${Check27\_3} |
| 2.24 | Are the purlins connected to the girder as per the drawing's details? | ${Check28\_1} | ${Check28\_2} | ${Check28\_3} |
| 2.25 | Is the distance between purlins as per the drawings? | ${Check29\_1} | ${Check29\_2} | ${Check29\_3} |
| 2.26 | Is the purlin continuity between frames as per the drawings? | ${Check30\_1} | ${Check30\_2} | ${Check30\_3} |
| 2.27 | Are the sandwich panels or steel sheets connected to purlins as per dwg details? | ${Check31\_1} | ${Check31\_2} | ${Check31\_3} |
| 2.28 | Are the roof singular points well executed to ensure the waterproofing? | ${Check32\_1} | ${Check32\_2} | ${Check32\_3} |

***Project Photos***

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| ${Image3}  ${Image3Desc} |

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| ${Image4}  ${Image4Desc} |

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| ${Image5}  ${Image5Desc} |

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| ${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**

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| ${Summary} |

**“End of the report”**