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| **SECTION 1 –GENERAL** | | | |
| Project: | Supernode BESS Stage 1 | | |
| Client: | NuEnergy Infrastructure | | |
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|
| ITR  Description: | 10-CFA01 Metering Panel Installation ITR | | |
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|
| Project No.: | 102524 | Work Pack No.: |  |
|
| ITR No.: | PFI-ITR-0110 | Discipline: | Electrical |
|
| Revision: | Rev A | Install Contractor: | PFi |
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| Standards: | AS/NZS 3000:2018 Electrical Installations  AS NZS 3008.1.1-2017 Electrical installations  Qld Electrical Safety Act 2002 & Regulation 2013  Safety of Machinery Australian Standard 4024.1 | | |
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| Drawings: |  | | | | | |
| Prepared by: |  | | | | Date: |  |
| **SECTION 2 – SIGNATURES –APPROVAL** | | | | | | |
| PFI Approval | Name: |  | Signature: |  | Date: |  |

|  |  |  |  |  |  |  |
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| **No.** | **Items to Check** | | | | **Results** | **Remarks** |
| 1 | Ensure that all metal work is earthed as required. | | | |  |  |
| 2 | Check welding of earth bosses and associated surface finish. | | | |  |  |
| 3 | Ensure that earth cables/conductors have adequate mechanical protection i.e. conduits, kick-plates, PVC duct through concrete etc. at points of high exposure. | | | |  |  |
| 4 | Ensure that brazing or welding of all joints has been completed correctly. | | | |  |  |
| 5 | Ensure that adequate corrosion and weather protection has been installed around all connections, joints, lugs, cad (thermal) welds and earth bosses | | | |  |  |
| 6 | All earth bosses and studs tight and fitted with shake proof washers and coated with protective coating. | | | |  |  |
| 7 | Ensure that the earth cables to the main earth electrodes are terminated at each end of the main earth bar. | | | |  |  |
| 8 | Check terminations to ensure that all connections are correct, clean, greased and tight. | | | |  |  |
| 9 | Check cable terminations/joints to ensure that all lugs/barrels have been crimped correctly. | | | |  |  |
| 10 | Ensure that earth connections are not multi-coiled or ‘pig-tailed’ but are terminated as straight as possible. | | | |  |  |
| 11 | Confirm all joining bolts are present and have been torque in accordance with design requirements.  Acceptable settings: M6 – 10Nm, M8 – 20Nm, M10 – 30Nm, M12 – 40Nm, M16 – 60Nm | | | |  |  |
| 12 | MEN Link Installed (If applicable) | | | |  |  |
| 13 | As-Built drawings completed | | | |  |  |
| **No.** | **Earth Bar Installation** | | | | **Results** | **Remarks** |
| 14 | Check for correct assembly of equipment. | | | |  |  |
| 15 | Check fixings and mounting points conform to project specification and are secure. | | | |  |  |
| 16 | Check for equipment levels and alignment. | | | |  |  |
| **Test Equipment** | | | | | | |
| **Make** | | **Model** | **Serial No** | **Calibration Expiry Date** | | |
|  | |  |  |  | | |
|  | |  |  |  | | |
| **Remarks** | | | | | | |

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|  | TEST/ INSPECTION CARRIED OUT BY |
| **Signature** |  |
| **Print Name** |  |
| **Date** |  |