As per the schematic drawings contents in this test format can be modified

1. **GENERAL DATA AND INFORMATION:**

|  |  |
| --- | --- |
| Panel designation |  |
| Manufacture |  |

1. **MECHANICAL CHECK AND VISUAL INSPECTION** As per TCS–P-105 Rev – 01, Item no 4.1

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Description | Checked | |
|  | Check tightness of all connections | ❑Yes | ❑N/A |
|  | Inspect for physical damage / defects | ❑Yes | ❑N/A |
|  | Panel condition, cleanliness, organization, labeling, readiness for service, panel doors, handles...etc | ❑Yes | ❑N/A |
|  | CT shorting checked | ❑Yes | ❑N/A |
|  | Indications checked | ❑Yes | ❑N/A |
|  | Contact resistance of tripping and alarm checked | ❑Yes | ❑N/A |
|  | Check the ferrules as per specification | ❑Yes | ❑N/A |
|  | Confirm that each panel has been properly secured to the floor in its final service location. | ❑Yes | ❑N/A |
|  | Panel Earthing checked | ❑Yes | ❑N/A |
|  | Confirm that panels are constructed and wired as per SEC relevant specification. | ❑Yes | ❑N/A |
|  | Check case cover and gasket for proper seal against dust. | ❑Yes | ❑N/A |
|  | Check all installed equipment nameplate information for compliance to approved drawings and equipment /material lists. | ❑Yes | ❑N/A |
|  | For all internal and external panel wiring, confirm that all screw terminations are tight and that crimp connectors are firmly secured to the wire and to the termination point. Ensure that no part of the wire is bent at the termination point. Check Ferrules. | ❑Yes | ❑N/A |
|  | Check that panel equipment is mounted securely and protected against mal operation due to vibration, shock, etc | ❑Yes | ❑N/A |
|  | Use of ring type terminals for wire termination for current circuit wires. | ❑Yes | ❑N/A |

1. **GENERAL PANEL FUNCTIONAL CHECKS** :

As per TCS–P-105 Rev -01, Item no 5.1 & 5.4.2

|  |  |  |  |
| --- | --- | --- | --- |
| Item | Description | Remarks | |
| 1 | Check Output Of Ac Outlet | ❑Yes | ❑N/A |
| 2 | Check Illumination Lamp | ❑Yes | ❑N/A |
| 3 | Check Door Switch | ❑Yes | ❑N/A |
| 4 | Check Heater / Thermostat | ❑Yes | ❑N/A |

1. **DC LOOP TEST:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Relay panel dwg no | Panel | Functional check of Dc circuit | | | | Control panel alarm | FMK | Function as expected | |
| MCB | Verification of DC ckt | Flag relay | Flag |
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1. **ALARMS:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Item | Alarm’s simulation | | | | Annunciation | | | | FMK |
| Mk | TB | Protn. panel | TB | Control panel | TB | AVC panel | TB | TB |
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1. **MECHANICAL PROTECTION FUNCTION TEST:**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Protection Device | MK  TB No | Trip | Dwg No | Relay panel | | | Control panel alarm | FMK |
| Panel | Trip Relay | CBF Start |
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1. **FAN OPERATION FUNCTION CHECKS:**

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| --- | --- | --- | --- | --- | --- |
| Mode  Auto/manual | Cooling  Fan no | MCB  On/off/trip | C&R Panel | FMK | FR |
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