**This Prefunctional Checklist should be completed as part of startup and initial checkout of the equipment in preparation for Functional Performance testing.**

|  |  |
| --- | --- |
| PC: | **26 05 26** |
| **ITEM:** | **Grounding and Bonding** |
| **ID:** | *(Use one form for each Equipment)* |
| **AREA SERVED:** | *(Building and Room Number / Name)* |

Form Filled Out By:

|  |  |  |
| --- | --- | --- |
|  | Name & Company | Date |
| GC |  |  |
| MC |  |  |
| EC |  |  |
| BC |  |  |
| CC |  |  |
| OR |  |  |
| A/E |  |  |
| CA |  |  |

GC = General Contractor; MC = Mechanical Contractor; EC = Electrical Contractor; BC = Balancing Contractor; CC = Controls Contractor; OR = Owner Representative; A/E = Architect/Engineer; CA = Commissioning Agent

XX = No Initials Required

# DOCUMENTATION VERIFICATION

Check if OK. Enter note number if deficient.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item** | **GC** | **MC** | **EC** | **BC** | **CC** | **OR** | **A/E** | **CA** |
| Product information submitted |  |  |  |  |  |  |  |  |
| Shop drawings submitted |  |  |  |  |  |  |  |  |

# MODEL VERIFICATION

Fill in requested information.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Installed  | **Submitted**  | **Specified**  |
| Manufacturer |  |  |  |
| Model |  |  |  |
|  |  |  |  |

# INSTALLATION VERIFICATION

**This checklist does not take the place of the manufacturer’s recommended checkout and startup procedures or report.**

Check if OK. Enter Outstanding Item Note number if deficient.

| **No** | **Item** | **GC** | **MC** | **EC** | **BC** | **CC** | **OR** | **A/E** | **CA** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Service Equipment** |  |  |  |  |  |  |  |  |
| 1 | Inspect grounding electrodes. |  |  |  |  |  |  |  |  |
| 2 | Verify ground conductor size. |  |  |  |  |  |  |  |  |
| 3 | Verify tightness of ground bus connection. |  |  |  |  |  |  |  |  |
| 4 | Verify connection of ground at grounding bushings. |  |  |  |  |  |  |  |  |
| 5 | Neutral grounded at main service |  |  |  |  |  |  |  |  |
|  | **Separately Derived Sources** |  |  |  |  |  |  |  |  |
| 6 | Inspect grounding electrodes. |  |  |  |  |  |  |  |  |
| 7 | Verify ground conductor size. |  |  |  |  |  |  |  |  |
| 8 | Verify tightness of ground bus connection. |  |  |  |  |  |  |  |  |
| 9 | Verify connection of ground at grounding bushings. |  |  |  |  |  |  |  |  |
|  | **Bonding** |  |  |  |  |  |  |  |  |
| 10 | Verify all electrically operated equipment is bonded. |  |  |  |  |  |  |  |  |
| 11 | Verify insulated grounding conductor in all raceways. |  |  |  |  |  |  |  |  |
|  | **Testing** |  |  |  |  |  |  |  |  |
| 12 | Fall of potential testing successfully completed |  |  |  |  |  |  |  |  |
| 13 | Ground resistance between main ground system and all major electrical equipment frames, system neutral, and/or derived neutral points has been successfully tested |  |  |  |  |  |  |  |  |

# OUTSTANDING ITEMS

Note outstanding items in table below. Use numbers referenced above.

|  |  |  |
| --- | --- | --- |
| Resolved(Initial / Date) | **Note** | Description |
|  | **1.** |  |
|  | **2.** |  |
|  | **3.** |  |
|  | **4.** |  |
|  | **5.** |  |
|  | **6.** |  |
|  | **7.** |  |
|  | **8.** |  |
|  | **9.** |  |
|  | **10.** |  |

# FIELD NOTES

Fill in as appropriate.

|  |
| --- |
|  |
|  |
|  |
|  |
|  |

# SIGN OFF

System / Equipment have been installed in accordance with the Contract Documents and are ready for Functional Testing.

|  |  |  |
| --- | --- | --- |
|  | **Signature** | **Date** |
| **Contractor’s Representative** |  |  |
| **A /E Representative** |  |  |
| **Commissioning Agent** |  |  |
| **Owner’s Representative** |  |  |

##### END OF CHECKLIST