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

|  |  |
| --- | --- |
| PC: | **27 15 00** |
| **ITEM:** | **Communications Horizontal Cabling** |
| **ID:** |  |
| **AREA SERVED:** |  |

Form Filled Out By:

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

GC = General Contractor; MC = Mechanical Contractor; EC = Electrical Contractor; ES = Electronics Security 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** | **ES** | **CC** | **OR** | **A/E** | **CA** |
| Product information submitted | XX | XX | XX |  | XX |  |  |  |
| Shop drawings submitted | XX | XX | XX |  | XX |  |  |  |

# CATALOG/PART NUMBER VERIFICATION

Fill in requested information.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Installed | **Submitted** | **Specified** |
| PVC RS-232 Cable |  |  |  |
| Configuration- 2 Pr #22 Shd |  |  |  |
| Manufacturer |  |  |  |
| Model |  |  |  |
| Plenum-type RS-232 Cable |  |  |  |
| Configuration- 2 Pr #22 Shd |  |  |  |
| Manufacturer |  |  |  |
| Model |  |  |  |
| PVC RS-485 Cable |  |  |  |
| Configuration- 2 Pr #22 Unshileded |  |  |  |
| Manufacturer |  |  |  |
| Model |  |  |  |
| Plenum-type RS-485 Cable |  |  |  |
| Configuration- 2 Pr #22 Unshielded |  |  |  |
| Manufacturer |  |  |  |
| Model |  |  |  |
| Fiber Optic Cable- Single Mode |  |  |  |
| Configuration- 6 to 144 each 9/125 um. |  |  |  |
| Manufacturer |  |  |  |
| Model |  |  |  |
| Fiber Optic Cable- Multimode |  |  |  |
| Configuration- 6 to 144 each 62.5/125 um. |  |  |  |
| Manufacturer |  |  |  |
| Model |  |  |  |
| Other Cable- (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |  |  |  |
| Configuration- |  |  |  |
| Manufacturer |  |  |  |
| Model |  |  |  |
| Other Cable- (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |  |  |  |
| Configuration- |  |  |  |
| Manufacturer |  |  |  |
| Model |  |  |  |
| Other Cable- (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |  |  |  |
| Other Cable- (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) |  |  |  |
| Configuration- |  |  |  |

# 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** | **ES** | **CC** | **OR** | **A/E** | **CA** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Confirm Category 6 networks with 4 pair 23 AWG UTP Type CMP plenum cables are used for POS and PC LAN data networks |  |  |  |  |  |  |  |  |
| 2 | Confirm the following locations are equipped with POS data outlets (all outlets are dual cable, dual RJ45 jack: |  |  |  |  |  |  |  |  |
| 3 | Each checkout stand (1) |  |  |  |  |  |  |  |  |
| 4 | Remote Attendant Station (SCO) (2) |  |  |  |  |  |  |  |  |
| 5 | Cashier’s Office (4) |  |  |  |  |  |  |  |  |
| 6 | CISIC Room (3) |  |  |  |  |  |  |  |  |
| 7 | Admin Office (2) |  |  |  |  |  |  |  |  |
| 8 | Confirm Wireless LAN access points locations have a clear line of sight view of the area covered |  |  |  |  |  |  |  |  |
| 9 | Verify POS system: CAT 6, (Blue) is terminated on patch panel in ADP cabinet; RJ45 jack at remote outlet end. |  |  |  |  |  |  |  |  |
| 10 | Verify Wireless LAN access point system: CAT 6, (Yellow) is terminated on patch panel in ADP cabinet; RJ45 jack at remote outlet end |  |  |  |  |  |  |  |  |
| 11 | Verify PC LAN System: CAT 6 (Green) is terminated on patch panel in ADP at remote outlet end |  |  |  |  |  |  |  |  |
| 12 | Verify Telephone system: CAT 6 (Gray) is terminated on punch down blocks at telephone terminal cabinet; RJ45 jack at instrument outlet |  |  |  |  |  |  |  |  |
| 13 | Verify CAT 6 data cable to any outlet does not exceed 295 feet |  |  |  |  |  |  |  |  |
| 14 | Confirm data outlets are installed at the correct mounting heights (AFF) : |  |  |  |  |  |  |  |  |
|  | * Between 6” – 30” above floor on power poles |  |  |  |  |  |  |  |  |
|  | * 12” – 16” above floor on walls; or 8” above counter tops |  |  |  |  |  |  |  |  |
|  | * Wireless LAN: 10’ in Sales Area; 10’ in Receiving/Staging |  |  |  |  |  |  |  |  |
|  | * PC LAN: |  |  |  |  |  |  |  |  |
|  | * 12” – 16” above floor on walls; or 8” above counter tops |  |  |  |  |  |  |  |  |

# 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