QC CHECKLIST: Niagara Framework

This checklist is not all-inclusive of the requirements of this specification and should not be interpreted as such.

This checklist is for (check one:)

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| --- | --- | --- |
| Pre-Construction QC Checklist Submittal | (Items 1-2) |  |
| Post-Construction QC Checklist Submittal | (Items 1-6) |  |
| Close-out QC Checklist Submittal | (Items 1-14) |  |

Initial and date each item in the spaces provided verifying that each requirement has been met.

| Items verified for Pre-Construction, Post-Construction and Closeout QC Checklists Submittal: |
| --- |
| Item | Initial | Date |
| 1 | All DDC Hardware (nodes) are numbered on Control System Schematic Drawings. |  |  |
| 2 | M&C software supports the Niagara Framework. |  |  |

| Items verified for Post-Construction and Closeout QC Checklist Submittal: |
| --- |
| Item | Initial | Date |
| 3 | Communication between the M&C software and Niagara Framework field control systems uses only Fox protocol. |  |  |
| 4 | Connections to field control systems are via Niagara Framework Supervisory Gateways.Connections to field control systems are via a Gateway from the field control system to or via a UMCS supported protocol without the use of a hardware Gateway. |  |  |
| 5 | Computer workstations and servers are installed as shown on the UMCS Riser Diagram. |  |  |
| 6 | Training schedule and course attendee lists have been developed and coordinated with shops and submitted. |  |  |

| Items verified for Closeout QC Checklists Submittal: |
| --- |
| Item | Initial | Date |
| 7 | All points in field control systems have been discovered using the Niagara Framework Engineering Tool and are available at the M&C software. |  |  |
| 8 | All software has been licensed to the Government |  |  |
| 9 | M&C software monitoring displays have been created for all building systems, including all override and display points indicated on Points Schedule drawings. |  |  |
| 10 | Final As-built Drawings accurately represent the final installed system. |  |  |
| 11 | Default trends have been set up (per Points Schedule drawings). |  |  |
| 12 | Scheduling has been configured at the M&C Software (per Occupancy Schedule drawing). |  |  |
| 13 | O&M Instructions have been completed and submitted. |  |  |
| 14 | Basic Operator and Advanced Training courses have been completed. |  |  |

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 (QC Representative Signature) (Date)