Johnson Controls   **Service +**

TO: North Dakota Veterans Home	**Date:** January 31, 2023
1400 Rose St.	**Project:** AREA A, B and C Wireless Controls Upgrade Proposal
Lisbon, ND 58054	
Attn: Shawn Mcleod	

We propose to furnish the materials and/or perform the work described below for the net price of:
$328,930.00

THREE-HUNDRED TWENTY-EIGHT THOUSAND, NINE HUNDRED THIRTY AND 00/100 DOLLARS

For the above price this proposal includes:

This proposal is to convert the older TEC-2000 wireless spaces within "Area A", "Area B" and "Area C" that weren't addressed in the initial phase. Spaces in Area A, B and C shall receive upgraded wireless controllers and wireless thermostats for both the heat pumps and the terminal coils. Below is a detailed breakout of what is being supplied.

AREA A PROJECT:

- Adding (3) new WRG-1830 wireless coordinator for the building automation system, Metasys. The new coordinators will serve as the building blocks for transitioning the existing wireless system to the new JCI wireless product. When this new coordinator is added we'll migrate an area of rooms over. Once in place, other areas/rooms can be transitioned over one-by-one or in larger chunks.
    - The existing wireless thermostats have become discontinued and will be replaced with the new wireless 3000 series of products.
    - There is a max of 34 devices per WRG coordinator.

- Adding (61) TEC3122 new wireless stats to replace existing obsolete and discontinued TEC-2002 JCI thermostats currently on TERMINAL COILS with RADIANT CEILING PANELS. The existing stats can be used as spare parts for when others on the campus fail.
- All the programming associated with the change over which includes rebinding software points, adding new points in, rebinding graphics and programming of the new coordinator and new stats.
- An additional coordinator is being added to allow for future growth of the system.
- All the electrical associated with the install of these new devices.

AREA B &C PROJECT: (Exact same layout so the scope is identical)

- Adding (4) new WRG-1830 wireless coordinator for the building automation system, Metasys. The new coordinators will serve as the building blocks for transitioning the existing wireless system to the new JCI wireless product. When this new coordinator is added we'll migrate an area of rooms over. Once in place, other areas/rooms can be transitioned over one-by-one or in larger chunks.
    - The existing wireless thermostats have become discontinued and will be replaced with the new wireless 3000 series of products.

- o There is a max of 34 devices per WRG coordinator.

- Adding (37) TEC3130 new wireless stats to replace existing obsolete and discontinued TEC-2002 JCI thermostats currently on HEAT PUMPS. The existing stats can be used as spare parts for when others on the campus fail.
- Adding (56) TEC3122 new wireless stats to replace existing obsolete and discontinued TEC-2002 JCI thermostats currently on TERMINAL COILS with RADIANT CEILING PANELS. The existing stats can be used as spare parts for when others on the campus fail.
- All the programming associated with the change over which includes rebinding software points, adding new points in, rebinding graphics and programming of the new coordinator and new stats.
- An additional coordinator is being added to allow for future growth of the system.
- All the electrical associated with the install of these new devices.

Also Includes:
- All the electrical associated with the retrofit to add network drops for the new coordinators around the facility.
- New graphics associated with the updated controls.
- Updated control drawings and as-builts.
- Adding a M4-SNE2200 large capacity engine for future expansion, transition purposes and upgrade to the Linux based OS to aid in network security.

Pricing Breakout:

AREA A: Pricing per this Scope .... $79,880.00 _____. Initial to accept.

AREA B: Pricing per this Scope .... $124,525.00 _____. Initial to accept.

AREA C: Pricing per this Scope .... $124,525.00 _____. Initial to accept.

This proposal DOES NOT include:

Supplying any new panels.

Replacing or repairing any defective controls material, outside of the above scope, found during install of this project.