



February 22, 2020

Mr. Rich Rittenbacher/Mr. Bill Cunningham
Public Works Director/Assistant Public Work Director
Village of Orland Park
15655 Ravinia Avenue
Orland Park, IL 60464

Re: Sportsplex – RTU-4 Soccer Arena

Mr. Rittenbacher & Mr. Cunningham,

Per our conversation, CTS recommends the following solution for Upgrading the Rooftop Unit (RTU-4) at the Sportsplex Facility serving the Soccer Arena.

As your preferred Qualified Provider, competitively selected by the Village of Orland Park, the CTS Group has provided the following turn-key proposal including a fully engineered solution, competitively priced and with the installation managed by our team. This proposal is a guaranteed price with no change orders unless requested by the Village.

Sportsplex RTU-4 Upgrade – Soccer Arena:

- CTS will upgrade will upgrade the Rooftop Unit (RTU-4) serving the Soccer Arena as follows:
 - Recover refrigerant, disconnect power, gas, controls and remove 90 ton McQuay for disposal off site.
 - Cap and cover existing return openings in bottom of existing curb.
 - Provide and install one curb adapter.
 - Provide and install one 90 ton Carrier gas/electric RTU.
 - Provide crane and rigging to set new RTU.
 - Provide and install approximately insulated, sealed external ductwork on roof on north side of RTU.
 - Provide and install duct stands for new external return ductwork.
 - Provide masonry wall cutting and lintel in north wall for new return duct access to soccer field.
 - Terminates return duct with decorative grilles on inside of soccer field.
 - Infill openings above ceiling with drywall for return duct air tie-in and provide opening for return air from unit to soffit.

- Provide scissor lift for safe work conditions inside soccer field.
- Non-fused built-in disconnect.
- 115 V. convenience outlet.
- Humidifier feature
- 20 H.P. return air fan/power exhaust.
- Bacnet communications.
- 60 H.P. premium efficiency, high static indoor fan motor.
- Disconnect power to RTU-4.
- Remove power cables in existing conduit to RTU-4
- Furnish and install (3) 350 MCM cables with a #2 THH ground. Maximum distance of 150' per leg. Will pull cable through existing conduit and boxes.
- Furnish and install (1) 600 volt, 400amp ,3 pole non fuse nema 3r disconnect at RTU
- Furnish and install (3) 600volt, 300amp fuses in existing RTU-4 switch.
- Extend existing 2-1/2" conduit to new RTU-4 power location. Maximum distance of 20' away from existing pull box.
- Tie in RTU-4 controls to existing BAS System.
- Provide start-up and warranty 1 year parts and labor. 5 years on compressors. 10 years on heat exchangers

Total Final Pricing:

\$587,300.00

Items Excluded:

- Premium time
- Cleaning of existing ductwork.
- Painting of return soffit.
- Any/all work associated with hazardous, toxic, or contaminated materials. This shall include but not be limited to lead and asbestos.

Please contact me if you have any questions or need additional information. Thanks again.

Sincerely,

Michele A. James
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