

Public Works Committee Meeting
Tuesday, December 15, 2020 5:00 PM
Crete Library/Community Center
1515 Forest Ave.
Crete, NE 68333

1. Open Meeting

- In accordance with Nebraska law, a copy of the Open Meetings Act can be found in the back of the Council Chambers.
- Items listed on the agenda may be considered in any order.

2. Roll Call

- Attendance of members will be recorded to determine the presence of a quorum for official actions.

3. Items of Business

- The Committee may discuss or limit discussion on, hear testimony in favor of or in opposition to, or take action to provide a recommendation to the City Council on any matter presented under this title.
- A. Discuss and provide a recommendation to the City Council on approving the Central States Group quote and authorizing the expenditure of approximately \$46,590 for noise control panels around the Library's chiller.

4. Officers' Reports

- Reports may be given by the Mayor, Officers, Departments, or Councilmembers concerning the current operations of the City.
- No action can be taken on matters presented under this title except to answer any questions or to refer the matter for further action.

5. Adjournment

Disclaimers & Notices

- The Council may enter into closed session to discuss any matter on this agenda when it is determined that a closed session is clearly necessary for the protection of the public interest or the prevention of needless injury to the reputation of an individual (if such individual has not requested a public meeting) or as otherwise allowed by law. Any closed session shall be limited to the subject matter for which the closed session was called. If the motion to close passes, then immediately prior to the closed session the Mayor shall restate on the record the limitation of the subject matter of the closed session.
- The City of Crete assures that no person shall on the grounds of race, color, national origin, age, disability, handicap or sex, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity of the City receiving Federal financial assistance. To report discrimination, contact the City Clerk's office.
- The complete agenda with attachments is available at www.crete.ne.gov.



Central States Group

December 1, 2020
Tom Ourada
City of Crete

Central States Group & Kinetics Noise Control Quote For The City Of Crete Library.

Central States & Kinetics Noise Control Inc. are pleased to submit the following quotation for the supply of your Chiller Noise Control. The following is the firm price; excluded are any items not specifically expressed in this proposal. The price is only bound by the qualifications and selection presented below. Kinetics Noise Control reserves the right to make any changes to pricing as new information and requested changes are presented.

Product Summary

- **Chiller Noise Control**

Kinetics Noise Control Acoustical Louver Barrier Wall System & KNP Panels

<i>Configuration</i>	L-shaped acoustical Louver barrier wall system with Absorption Panels on back wall.
<i>Dimensions</i>	16'-0" L x 13'-0" L x 12'-0" H Bottom 7'-0" H skirted with ultra-low, pressure loss acoustic louvers Top 5'-0" H incorporates NOISEBLOCK™ panels
<i>Acoustic LVR Model</i>	KCPL – F/1- 12" (deep) Hinged for easy maintenance access Pressure drop 0.09 inches WG at 33,000 cfm (half of unit total 66,000 cfm)
<i>Outer Casing</i>	16 GA solid Galvanized Steel G90
<i>Inner Lining</i>	22 GA perforated, Galvanized Steel G90
<i>Trim, Sealant, TEK screws</i>	Included and supplied as necessary
<i>Structural Steel</i>	Finish: HDG Description: Structural steel components are designed to bolt together, no field welding required. The columns and base plates are supplied as factory welded assemblies. All included with factory drilled holes, bolts, washers and nuts. All structural steel is designed and supplied from the base plate and upwards. The design is based upon the assumption of "cast in place" anchors/foundation support system. Kinetics Noise Control is not responsible nor will comment on anything below the baseplates. All structural components will be made of steel. Qty. = (5) columns/base plate assemblies Base plate assemblies are 18 x 18 x 1.5" thick

Corporate Headquarters—8720 South 137th Circle Omaha, NE 68138

Cedar Rapids—520 50th Ave Dr. SW Cedar Rapids, IA 52404

Minneapolis—5104 Hillsboro Avenue North New Hope, MN 55428

Marshall—2702 290th Street Marshall, MN 56258



Central States Group

<i>Trim and Flashing</i>	Included as necessary
<i>Finish</i>	Factory applied powder-coating (exterior grade), per Tiger Drylac Series 49 or Sherwin Williams Powdura and selection of Kinetics standard colors
<i>Model</i>	KNP: Flat – flush wall mounted 16' L x 11'6" H
<i>Construction</i>	Galvanized G90 (22 GA)
<i>Panel Thickness</i>	2"
<i>Acoustical Fill</i>	Standard KNC Acoustical Fill
<i>Bagging</i>	Standard Bagging (Black Polymer: Sealed Bagging)
<i>Mounting Brackets</i>	Flush mount attachment
<i>Panel Finish</i>	Factory applied powder-coating (exterior grade), per selection of Kinetics standard colors.
<i>Miscellaneous</i>	<ul style="list-style-type: none"> - Engineered submittals and piece-marked installation drawings - P.E. stamped structural calculations per locally adopted IBC per state of Iowa. - Reaction forces at base plates for engineer or record to determine required foundation and foundation anchors.

Pricing Summary:

<i>Description</i>	<i>SELL PRICE</i>	
NOISEBLOCK, KNP and KCPL system	Base	Without Option Add = \$ 37,707.00
Powder coat finish (louvers, panels, trim)	Option Add = \$ + 3,883.00	With Option Add = \$41,590.00
Freight	Extra, Not Included In Sell Prices Below Estimated; \$5,000.00	

Corporate Headquarters—8720 South 137th Circle Omaha, NE 68138
Cedar Rapids—520 50th Ave Dr. SW Cedar Rapids, IA 52404
Minneapolis—5104 Hillsboro Avenue North New Hope, MN 55428
Marshall—2702 290th Street Marshall, MN 56258



Central States Group

Note from John Sofra at Kinetics.

Pressure Loss acting upon chiller with proposed 12-inch clearance:

I searched the internet to find the cooling cfm of the fans for the specific Daikin Chiller model AGZ090EDSMMNN00, 90 ton unit. It should be confirmed by the mechanical engineer and chiller manufacturer, but I come up with 66,000 cfm. Only one side of the chiller is close-coupled with the barrier wall resulting in 33,000 cfm (66,000 cfm/2) flowing through the skirt of acoustic louvers with a cross sectional area of 16'-0" L x 7'-0" H. The resulting pressure loss is 0.082 inches WG across the acoustic louvers. In order to meet the required noise reduction, we are limited to using Kinetics model KCPL-F/2 acoustic louvers. We do have a safety factor as we will also include a 7'-0" H skirt of acoustic louvers along the 13'-0" L system wall which will reduce the pressure loss acting upon the chiller by an additional 15% reducing to 0.069 inches WG.

Notes:

- Freight extra and not included in pricing. Estimated freight \$5,000.00, actual freight will be billed.
- Taxes are not included.

- **Lead times:**
 - Submittals: 2-3 weeks after receipt of purchase order.
 - Above lead time does not account for revisions/changes of scope.
 - Estimated ship: 8-10 weeks after receipt of "signed," approved submittal.
 - Lead times are based at time of quote and can vary at time of order. Actual ship date can vary due to workload and material availability at time of release.

- *Due to volatile market conditions, quotations are based upon the purchase of raw materials at current prices and valid until the earlier of 30 days or until such time as these materials can no longer be reasonably obtained at the current prices.*

-
- Payment Terms are Net 30 days contingent upon credit approval.
- Deposits may be required prior to processing your order.
- Purchase orders should be issued to:
 - Central States Group
 - 8720 S. 137 Circle
 - Omaha, NE. 68130
 - Att: John Jones

Thank you for the opportunity to Quote!

John Jones
Central States Group
Noise & Vibration Division Manager
402-690-8177
jjones@csgmail.com

Corporate Headquarters—8720 South 137th Circle Omaha, NE 68138
Cedar Rapids—520 50th Ave Dr. SW Cedar Rapids, IA 52404
Minneapolis—5104 Hillsboro Avenue North New Hope, MN 55428
Marshall—2702 290th Street Marshall, MN 56258