Invoice

CONSOLIDATED ELECTRICAL DISTRIBUTORS, INC.

CED - LINCOLNTON
1920 NORTH ASPEN STREET
LINCOLNTON, NC 28092

T: 7047352544 F: 7047323024

INVOICE NO.	INVOICE DATE
4175-1035268	07/31/2024

PLEASE SHOW INVOICE NO. AND REMIT TO:
PO BOX 936339
ATLANTA, GA 31193-6339

SOLD TO:
14982 1 AB 0.593 E0104X I0158 D13161859029 S2 P10404985 0001:0001

LINC COUNTY SCHOOL MAINT
PO BOX 400
LINCOLNTON NC 28093-0400

SHIP TO:

LINC COUNTY SCHOOL MAINT
1920 NORTH ASPEN STREET
LINCOLNTON, NC 28092

ACCOUNT #/NAME	JOB NAME	CUSTOMER ORDER NO.
AM-53440 LINCOLN COUNTY SCHOOLS		MARK -RS

SALESPERSON	SHIPPING INFORMATION	SHIP VIA	SHIP DATE
9900 TS	PICKUP	WILL CALL	07/29/2024

	QTY ORDERED	PRODUCT CODE	DESCRIPTION	CODE	QTY SHIPPED	PRICE	PER	DISC.	EXTENSION	C/D
T	4	BUSS FRNR30	250V RK5 TD FUSE		4	7.84	E		31.36	0.0

TITLE TO MERCHANDISE AND RISK OF LOSS OR DAMAGE PASSES AT POINT OF SHIPMENT. CLAIMS FOR SHORT OR DAMAGED MERCHANDISE SHOULD BE MADE TO CARRIER.

MERCHANDISE RETURNED WITHOUT OUR CONSENT WILL NOT BE ACCEPTED. A RESTOCKING CHARGE WILL BE MADE ON RETURNED GOODS UNLESS DEFECTIVE OR THROUGH ERROR ON OUR PART.

A SERVICE CHARGE OF 1 ½% PER MONTH, BUT NOT TO EXCEED THE HIGHEST AMOUNT LAWFULLY ALLOWED BY APPLICABLE STATE LAW, WILL BE MADE ON ALL PAST DUE ACCOUNTS.

THIS SALE IS SUBJECT TO OUR TERMS LOCATED AT SALES.OUR-TERMS.COM, WHICH WE MAY CHANGE FROM TIME TO TIME WITHOUT PRIOR NOTICE.

CODE: TO ADVISE YOU PROMPTLY CONCERNING YOUR ORDER, THIS CODE IS USED ON OUR INVOICES.

B - BACK ORDERED. WILL SHIP AS SOON AS RECEIVED UNLESS INSTRUCTED TO CANCEL.

C - CANCELLED. NOT IN STOCK. UNABLE TO PURCHASE LOCALLY.

NET PAYMENT IS DUE BY THE 15TH OF THE MONTH FOLLOWING PURCHASE

MERCHANDISE		31.36
SALES TAX	7.00000	2.20
SHIPPING CHARGE		0.00
TOTAL DUE		33.56

Baker Distributing Company

GENERAL OFFICE JACKSONVILLE, FLORIDA
WHOLESALE ONLY / AIR CONDITIONING - REFRIGERATION
HEATING - PARTS - EQUIPMENT - SUPPLIES

688 - Gastonia
501 West Main Avenue
Gastonia, NC, US 28052
Telephone: 7048641110

INVOICE

INVOICE DATE	INVOICE No.
05/21/24	EX51425
P.O. No.	PAGE #
STOCK	1

CUST #: 530000

SHIP TO: LINCOLN COUNTY SCHOOLS-
MAINTEN
501 W. MAIN AVENUE
GASTONIA, NC, US 28052

BILL TO: LINCOLN COUNTY SCHOOLS-
MAINTEN
PO BOX 400
LINCOLNTON, NC, US 28093-0400

PLEASE REMIT TO: BAKER DISTRIBUTING COMPANY
P.O. BOX 409635
ATLANTA, GA 30384-9635

RS

JOB NUMBER	JOB NAME	TERMS
		NET 10TH PROX

SHIP POINT	SHIP VIA	SHIPPED
BAKER GASTONIA #688	PICKUP	05/21/24

PRODUCT NUMBER AND DESCRIPTION	ORDERED	B.O.	SHIPPED	U/M	UNIT PRICE	EXTENSION
ME6S130 ME6S130 3/8" SW EXT SOLENOID	1	0	1	EA	147.60000	147.60
IK5411 5411 9W CW 115V MTR 1091	2	0	2	EA	38.75000	77.50
NI40R NITROGEN 40R HP40) CONTENTS	1	0	1	EA	17.40000	17.40

On the jobsite and just ran out of the part you need? Introducing our partnership with DoorDash! Most items can be delivered anywhere within 30 miles in under 60 minutes. Ask us for details!

SUB-TOTAL					TAX	TOTAL AMOUNT
242.50					16.97	259.47

PLEASE REMIT PAYMENT TO THE "REMIT TO" ADDRESS PRINTED ABOVE

End of Invoice

Baker Distributing Company

GENERAL OFFICE JACKSONVILLE, FLORIDA
WHOLESALE ONLY / AIR CONDITIONING - REFRIGERATION
HEATING - PARTS - EQUIPMENT - SUPPLIES

688 - Gastonia
501 West Main Avenue
Gastonia, NC, US 28052
Telephone: 7048641110

INVOICE

INVOICE DATE	INVOICE No.
04/30/24	EV57873
P.O. No.	PAGE #
ROCK SPRINGS	1

CUST #: 530000

SHIP TO: LINCOLN COUNTY SCHOOLS-
MAINTEN
501 W. MAIN AVENUE
GASTONIA, NC, US 28052

BILL TO: LINCOLN COUNTY SCHOOLS-
MAINTEN
PO BOX 400
LINCOLNTON, NC, US 28093-0400

PLEASE REMIT TO: BAKER DISTRIBUTING COMPANY
P.O. BOX 409635
ATLANTA, GA 30384-9635

JOB NUMBER	JOB NAME	TERMS
		NET 10TH PROX
SHIP POINT	SHIP VIA	SHIPPED
BAKER GASTONIA #688	PICKUP	04/30/24

PRODUCT NUMBER AND DESCRIPTION	ORDERED	B.O.	SHIPPED	U/M	UNIT PRICE	EXTENSION
ZR42K5ETFD800 ZR42K5E-TFD-800 COMPRESSOR Serial # 22HA6762L	1	0	1	EA	1,048.58	1,048.58
HPC163SHH 404201 HPC-163-S-HH HP DRIER	1	0	1	EA	53.13000	53.13
NU430102 4301-02 RX-ACID SCAVENGER	1	0	1	EA	35.05000	35.05
On the jobsite and just ran out of the part you need? Introducing our partnership with DoorDash! Most items can be delivered anywhere within 30 miles in under 60 minutes. Ask us for details!						

SUB-TOTAL	FREIGHT CHARGE				TAX	TOTAL AMOUNT
1,136.76	100.00				86.57	1,323.33

PLEASE REMIT PAYMENT TO THE "REMIT TO" ADDRESS PRINTED ABOVE

End of Invoice

Baker Distributing Company

GENERAL OFFICE JACKSONVILLE, FLORIDA
WHOLESALE ONLY / AIR CONDITIONING - REFRIGERATION
HEATING - PARTS - EQUIPMENT - SUPPLIES

688 - Gastonia
501 West Main Avenue
Gastonia, NC, US 28052
Telephone: 7048641110

INVOICE

INVOICE DATE	INVOICE No.
04/10/24	EU72778
P.O. No.	PAGE #
ROCK SPRINGS	1

CUST #: 530000

SHIP TO: LINCOLN COUNTY SCHOOLS-
MAINTEN
501 W. MAIN AVENUE
GASTONIA, NC, US 28052

BILL TO: LINCOLN COUNTY SCHOOLS-
MAINTEN
PO BOX 400
LINCOLNTON, NC, US 28093-0400

PLEASE REMIT TO: BAKER DISTRIBUTING COMPANY
P.O. BOX 409635
ATLANTA, GA 30384-9635

15

JOB NUMBER	JOB NAME	TERMS
		NET 10TH PROX
SHIP POINT	SHIP VIA	SHIPPED
BAKER GASTONIA #688	PICKUP	04/10/24

PRODUCT NUMBER AND DESCRIPTION	ORDERED	B.O.	SHIPPED	U/M	UNIT PRICE	EXTENSION
SUPPOP3 POP3 3 AMP CTRL BD CIR TSTER	1	0	1	EA	17.28000	17.28
ZEBZK005 ZK005 5AMP CIRCUIT BREAKER	1	0	1	EA	19.32000	19.32
DIVATO003V ATO003V 3AMP AUTO BLADE FUSE	5	0	5	EA	0.87000	4.35
DIVATO005V ATO005V 5AMP AUTO BLADE FUSE	5	0	5	EA	0.87000	4.35
NU405008 4050-08 EASYSEAL DIRECT INJECT	1	0	1	EA	66.73000	66.73

SUB-TOTAL					TAX	TOTAL AMOUNT
112.03					7.85	119.88

PLEASE REMIT PAYMENT TO THE "REMIT TO" ADDRESS PRINTED ABOVE

End of Invoice

WM. C. REYNOLDS COMPANY, INC.
1150 25TH STREET S.E.
P.O. BOX 2068
HICKORY NC 28603-2068
Phone: 828-324-4540
Fax: 828-324-0383

INVOICE

DATE	INVOICE #	CUST #
3/21/2024	0000030682	0002115

0000478 LCS ROCK SPRINGS WS LEAK

BILL TO:

Lincoln County Schools
P.O. Box 400
Lincolnton NC 28093

SHIP TO:

ROCK SPRINGS ELEMENTARY
3633 N HWY 16
DENVER NC 28037

RS

P.O. NUMBER	TERMS	SALES PERSON
	NET 30 DAYS	JOHN T. WALKER

QUAN	DESCRIPTION	PRICE EACH	AMOUNT
	FINAL BILLING TO ASSIST IN GEOTHERMAL PIPING REPAIRS.		
1.00	LABOR	1,469.60	1,469.60

SUBTOTAL	$1,469.60
TAX	$102.87
TOTAL	$1,572.47

Project Name LINCOLN COUNTY SCHOOLS- ROCK SPRINGS ELEMENTARY

Application/Invoice #: 3

Contracors Name WM. C. REYNOLDS COMPANY, INC.

Date: 3/21/2024

Invoice NUMBER	Invoice DATE	VENDOR'S NAME	MATERIALS PURCHASED	Invoice Before Tax	State Tax	County Tax	Total TAX	Total Invoice	Name of County to Which TAX PAID
			NO TAXABLE ITEMS						
				$0.00	$0.00	$0.00	$0.00	$0.00	

CERTIFICATION

This will certify that the above-listed amounts include only Sales or Use Taxes paid on purchases of tangible personal property for use in performing the contract for construction of the above-mentioned project which have become annexed to, affixed to, or have become a part of the building or structure.

SWORN TO AND SUBSRIBED TO BEFORE ME THIS
21ST day of MARCH, 2024

Natasha Chapman

NATASHA CHAPMAN, NOTARY PUBLIC

9/4/2027
COMMISSION EXPIRES

NATASHA CHAPMAN NOTARY PUBLIC CATAWBA COUNTY, NC

CONTRACTOR: WM. C. REYNOLDS COMPANY, INC.

SIGNED BY: John Walker

TITLE: PRESIDENT

DATE: 3/21/2024

Revised 3/24/03

RS

Rock Springs Elementary – Denver, NC
HVAC Upgrades Project Scope Summary

OMNIA® PARTNERS

Rock Springs Elementary
3633 N NC 16 Business HWY
Denver, NC
28037

May 28, 2024

Prepared for:
Mr. Ted Ramsey and Mr. Eric Eaker

Prepared by:
Brett Harrell
Daikin Applied – Charlotte, NC
Mobile: (980) 307-0752

A Proven Partner

Our customers count on Daikin Applied to design and manufacture technologically advanced commercial HVAC systems that deliver the highest efficiency and solutions that extend the life their building systems.

Our Company

Daikin Applied is a wholly owned subsidiary of Daikin Industries, Ltd. the largest air conditioning manufacturer in the world. Product innovation is a hallmark at Daikin Applied. Customers rely on products like Magnitude® magnetic bearing chillers, Pathfinder® air cooled chillers, Rebel® rooftop units, SmartSource® water source heat pumps, and Modular Central Plants for exceptional efficiency, reliability, and sustainability.

Our Values

Quality and comfortable air is central to our lives – at work and at play. We strive to improve Indoor Environmental Air Quality in the buildings we serve. Quality people delivering quality products. From concept and design through production and delivery we are committed to making the products you receive a reliable component of your building system.

We continue to challenge ourselves to develop new technologies that minimize energy usages and maximize comfort. Across Daikin, we believe little efforts that individuals can make to protect the environment can add up to big things.

Locations

Daikin Applied has more than six million square feet of manufacturing facilities at 12 plants on three continents. We have locations with more than 5,000 dedicated employees around the world. All our manufacturing facilities in the United States are ISO 9001 certified. For more information, visit www.DaikinApplied.com.

The award-winning Daikin Applied Development Center, at our headquarters in Plymouth, Minnesota, is the world's most advanced facility for HVAC research and development. Every day our people work to develop HVAC technologies that reduce energy consumption and the carbon footprint of the buildings where they will be used.

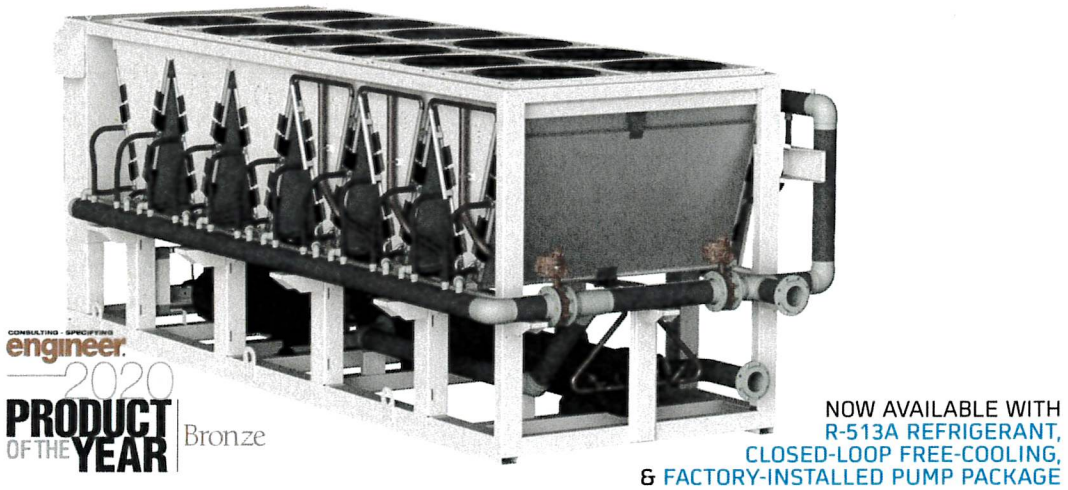
Executive Overview

The existing geothermal system currently serving Rock Springs Elementary is said to have reached the end of its useful life and is actively experiencing service issues (most notably underground piping leaks). The two-pipe solution outlined in this document has been developed with a focus on minimizing disruption to the students and faculty of RSES as much as possible.

As a result of our recent meeting and continued discussions regarding the upcoming HVAC upgrades needed at Rock Springs Elementary – Daikin Applied is pleased to offer the following scope summary for this project.

Conceptual engineering was performed, but official loads estimating, design engineering, and detailed cost estimating was not performed and there are no guarantees regarding the budget values stated in this document. We have included mechanical and electrical design fees to perform loads analysis for the existing building as needed.

Professional project management will be utilized to help reduce disruption to our customer and their patrons and work to meet projected timelines. This will require a single point of contact to assist with coordination of access, etc.



General Project Scope

Purchasing
Daikin Applied is prepared to offer a certified proposal that satisfies state bid requirements to allow for a tailored project solution in a timely manner. This is executed through our affiliation with OMNIA purchasing cooperative. Details for this offering can be found in the link below.

Daikin Applied will provide an OMNIA certified proposal number (CPN) when project phase I scope and pricing is finalized.

Energy Considerations
This project will include HVAC improvements that may have energy implications.

Energy Consideration #1 – Duke Energy Rebate Opportunities
The proposed Daikin chiller qualifies for a one-time Duke Energy rebate due to its optimal part and full load efficiency ratings. This rebate would be approximately $20,000.00 (contingent upon customer eligibility for the Smart Saver Program).

Energy Consideration #2 – Annual Energy Savings Potential
From information gained from mechanical drawings and utility bills provided by LCS, we have identified that replacing the existing water-sourced heat pump system with a Daikin AGZ012F air-cooled chiller and fan coil units could save $8,591 per year in energy costs.

Energy Conservation Measure	Estimated Energy Reduction (kWh)	Estimated Utility Savings	Annual Cost Per sq. ft.
AGZ012F Chiller and FCUs	183,577	$ 8,591.10	$ 0.68

Figure 1 – Estimated savings of energy conservation measures.

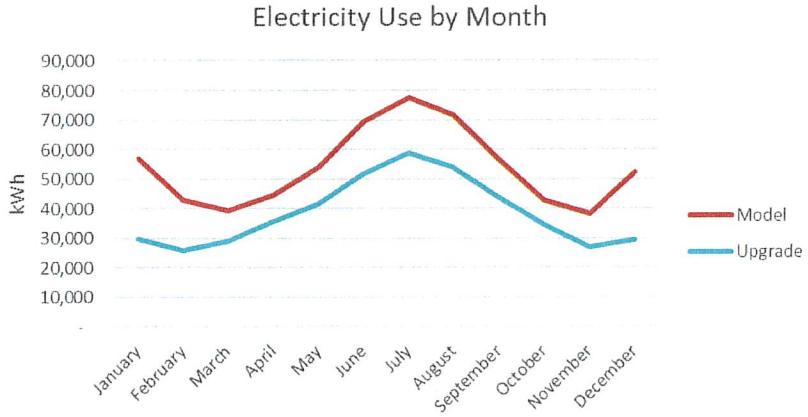


Figure 2 – Estimated monthly electricity use of the baseline existing scenario (model) and the scenario of a chiller installation (upgrade).

Building Energy Simulation has determined that installing an AGZ012F chiller and fan coil units could reduce electricity use by 28% at this building. It should be mentioned that there will be costs associated with natural gas expenditures from a new boiler used to supply heating to the FCUs.

Mode	Heating Setpoint	Cooling Setpoint
Occupied	68°	72°
Unoccupied	65°	78°

Figure 3 - Setpoints used in building simulation. Occupied hours were set as 6 AM-6PM, Mon-Fri.

Disclaimer: costs and savings are based on owner-provided data, on-site assessments, and preliminary engineering calculations using energy modeling software, and are not intended to be a guarantee of performance. Actual building performance depends on variables such as weather, user settings and profiles on building automation equipment, building and environment changes, process load equipment, etc.

Contingency Planning – Temporary Chiller Services

Your local Daikin Applied service office (Charlotte location) is equipped to offer rental chiller services in the event of unplanned downtime. Due to the critical nature of this project, we are pleased to offer the following rental chiller rates should the need arise. The figures below are based on an approximate capacity of 225T.

- Monthly street rate (outside of Daikin Applied project contract) - $17,500.00.
- Monthly deviated rate (if under a Daikin Applied project contract) - $9,500.00.
- Total freight cost (outside of Daikin Applied project contract) - $5,500.00.
- Total deviated freight cost (if under a Daikin Applied project contract) - $3,000.00.
- Setup costs not included above and subject to change upon rental chiller site survey.
    - Electrical availability needed to run Daikin Applied rental chiller.
    - Staging of rental chiller with relation to piping tie in's, electrical panel, etc.

Equipment overview

The proposed project scope would include the following equipment:

- One (1) new "low sound" Daikin air cooled chiller (installed outside in courtyard area).
    - Chiller to include 10-year parts and labor warranty on entire unit including 10-year refrigerant warranty coverage.
- One (1) new boiler (installed outside or in a mechanical room).
- Forty-six (46) new FCU's (air handlers) in replacement of existing WSHP's currently serving classrooms.
- One (1) new DDC Tridium based HVAC control system.

General Scope of Work

- Supply and install one (1) new Daikin air cooled chiller (to be staged in exterior courtyard area).
    - Existing piping to be re-used as per preliminary engineering analysis.
- Provide installation of one (1) new concrete pad to support new chiller.
    - Customer to provide adequate space (includes removal of nearby fencing, etc.).
    - Customer to furnish new brick corral to assist with noise reduction (or available upon request from DA).
- DA to provide piping tie ins for new chiller and condemn existing piping runs (in place).
- Supply and install one (1) new boiler.
    - Boiler can be placed in nearby mechanical room or in exterior courtyard near to

chiller.

- DA to provide piping tie ins for new boiler and condemn existing piping runs (in place).
- Supply and install new FCU's to serve individual classroom spaces (in replacement of existing WSHP's).
    - DA to re-use existing ductwork.
    - DA to re-use existing piping/isolation valves.
    - DA to provide electrical re-work as needed for air handling equipment.
    - DA to re-work and install new condensate lines.
    - DA to install new FCU's in vertical position for service clearance purposes.
- Daikin Applied to provide electrical services necessary to support new chiller, boiler and FCU's (see some electrical considerations below).
    - Electrical service for new chiller to come out of remote cafeteria building (pending customer approval and feasibility). Other electrical service options will be quoted as necessary.

Building Automation/HVAC Controls

- Daikin Applied to provide new digital control system with Tridium based "open" protocol to ensure serviceability for Lincoln County Schools.
- Installation the of JACE panel would be executed in phase I.
- Installation and all other necessary controls work would be executed in phase II (with the installation of the new Daikin FCU's).
- The installation of this new DDC control system may assist with Duke Energy Smart Saver rebates.

Engineering Services

- Daikin Applied to provide required engineering services for HVAC retrofit project (noted as phases I and II below).
- This would include county/state required engineering for mechanical, electrical, and plumbing as it pertains to our HVAC upgrades project.
- This would include customer as built drawings at time of project close out (after installation).
- DA to handle permit and inspection process.

Project Execution and Timeline

- Due to manufacturing lead times of the chiller and FCU's (air handlers) Daikin Applied would be prepared to implement turnkey installation services by the end of Summer in 2025 (pending customer approval).
- **Phase I** - New Daikin air cooled chiller and boiler to be set in place and piping to be run without disrupting existing systems serving the school.
    - This would require approximately 3-5 weeks and could be executed during normal business hours, prior to warmer outdoor temperatures.
    - This would work likely be completed by February 2025.
- **Phase II** – New Daikin air handlers (FCU's) to be installed for each classroom space.
    - Daikin Applied to provide adequate staffing to ensure installation of all new FCU's in one (1) summer break.
- Any work associated with HVAC controls would be executed in parallel with work mentioned above.

Budgetary Values and Scope by Phase

Phase I to include:

- Mechanical and electrical engineering services for entire retrofit project (phases I and II).
- One (1) new Daikin chiller.
- One (1) new boiler.
- Necessary pumps.
- Crane and rigging services for setting new equipment.
- Concrete to support new equipment.
- Fencing enclosure to protect new equipment.
- Mechanical piping to tie in new systems to existing piping.
- Electrical modifications to support new chiller and boiler.
- Phase I approximate budgetary cost - $695,000.00.

Phase II to include:

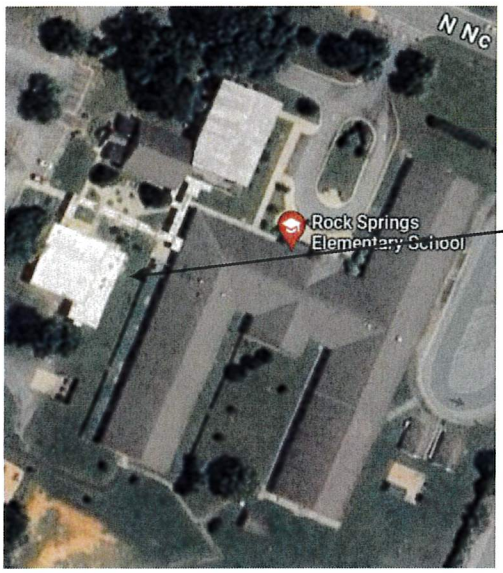
- Forty-six (46) new fan coil units in vertical configuration.
- Demolition and proper disposal of existing WSHP's.
- Includes necessary rigging services for equipment.
- Mechanical piping to support new Daikin FCU's.
- Electrical work to support new Daikin FCU's.
- Controls/BAS work for new equipment.
- Phase II approximate budgetary cost - $450,000.00.

Phase III to include:

- As requested, phase III has been developed in preparation for an upcoming new construction expansion project that will be taking place in coming years.
- Since this expansion is awaiting design and engineering – Daikin Applied has utilized a new construction cost per square foot (specific to HVAC installation only).
- It is understood that this expansion will include around 20,000 square feet which will be made up of 10 new classrooms.
- This cost is based upon a generic number to be used for the installation of a new chiller/boiler system. This number is typically in the range of $25-$27 per square foot for new construction HVAC systems.
- Phase III approximate budgetary cost - $525,000.00.
- Please note: This budgetary pricing is subject to change based on design details for this expansion project. More cost-effective solutions may be feasible upon further investigation (for example: DX multi zone split systems).

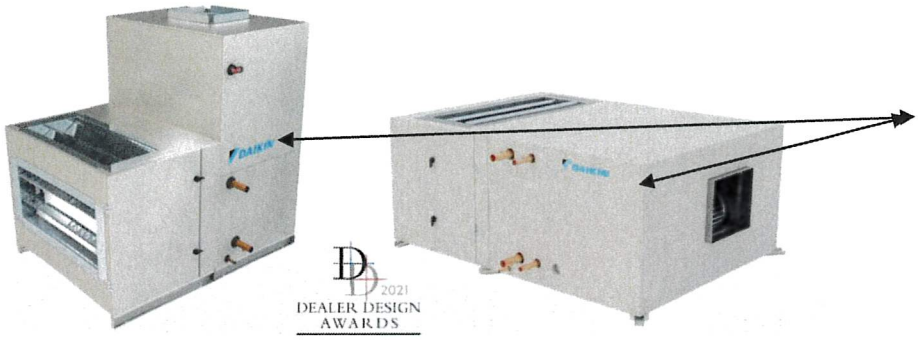
Project Specific Exclusion and Clarifications

- Customer to provide temporary cooling (if needed) – available from Daikin Applied upon request. This would be quoted separately by DA.
- Excludes construction services (drywall, painting, wall repair, etc.).
- Excludes removal of landscaping necessary for adequate access of any type.
- Excludes abatement, testing or remediation of any mold, asbestos, etc.
- Excludes costs associated with official engineering of any type.
- Excludes duct cleaning, repairs or insulating services to existing ductwork (unless disrupted by Daikin Applied installation crew).
- Excludes modifications to any existing ductwork.
- All work to be performed during normal business hours.
- Existing equipment and refrigerant are to become property of Daikin Applied. Any credits or economies have been reflected within this budgetary pricing.
- The project scope outlined in this document is based upon the existing electrical ampacity. Any additional ampacity/electrical capacity needed would be quoted separately. Determination to be made at time of official engineering analysis.
- **The exact condition of the existing Carrier DOAS units (dedicated outside air units) is unknown at this time. Daikin can provide system assessments for these units to determine functionality. If these DOAS units are deemed to be inoperable – costs associated with repairs and/or new DOAS equipment would need to be considered in project pricing.**
- Customer to furnish handrail on mezzanine level as needed. Available from DA upon request.



Proposed location for installation of new chiller and boiler.

Air handlers currently serving classrooms. To be replaced in existing location.



Daikin Preciseline AHUs

As the project continues to gain traction – we look forward to fine tuning our total project pricing and offering a detailed, formal proposal that will be certified by OMNIA.

Please feel free to reach out with any questions. Let us know how we can help.
Thank you for your partnership!

Brett Harrell
Sales Service Account Manager
Daikin Applied-Charlotte District
13504-G South Point Blvd
Charlotte, NC 28273
704-588-0087(office)
980-307-0752(cell)
Brett.harrell@daikinapplied.com
www.daikinapplied.com

R5

Merritt Flowers
Project Consultant
Trane Commercial Systems

Mike Guacci
Cell-704.840.8152
Account Manager
Trane Commercial Systems

TRANE®

Lincoln County Schools

33633-NC-16, denver North Carolina 28037

LCS-HVAC RENOVATIONS TO ROCK SPRINGS ELEMENTARY

	Description- Scope of Work	(BUDGET)	Cost	Variation	Total Budget
	Chiller Plant- Addition				
1.3	Provide and install chiller plant to replace the ground source Heat Pump system included site work and growth room for additional capacity		$ 650,000.00	$ 845,000.00	
				$ -	
				$ 845,000.00	**$ 845,000.00**
	Water Source Heat Pump Replacement				
1.3	Retrofit / Replacment of all water source heat pumps with new fan coil units and controls 46 total units		$ 750,000.00	$ 975,000.00	
				$ -	
				$ 975,000.00	**$ 975,000.00**
	Outside air Units/ Make up Air				
1.2	Replacement of makeup air equipment with correctly sized and designed outside air units capable of capacites required for building occupants.		$ 360,000.00	$ 439,200.00	
				$ -	
				$ 439,200.00	**$ 439,200.00**
	Contingency				
1.2			$ 275,000.00	$ 335,500.00	
				$ 335,500.00	**$ 335,500.00**
				Total Budget	**$ 2,594,700.00**

SCOPE OF WORK-

Provide and install chillers, and associated equipment to provide cooling for areas desinagted. The budget includes but is not limited to

1. Site work, concrete pads and preperation
2. Crane and rigging
3. Materials, piping, insulation, flow control devices etc.
4. High voltage and low voltage electrical
5. Building Controls for all new equipment and building componets

Multistack-Machine Option

QTY	Description- Scope of Work			Unit Price	Cost	Margin %
	Chillers Replacement					
	Equipment					
2	Multistack MS085X	***Full Load***	***.734KW/Ton***	$ 92,238.00	$ 184,476.00	
		NPLV	***.583KW/Ton***			
2	1st year Warranty		***included***	$ -	$ -	
2	5- year Compressor Warranty		***included***	$ -	$ -	
6	Replacement Coils			$ 5,500.00	$ 33,000.00	
1	Refrigerant Monitor	(Sherlock)		$ 2,800.00	$ 2,800.00	
					$ 220,276.00	
	Sub Contractor					
1	Lassiter-Mechanical Install			$ 168,000.00	$ 168,000.00	24%
1	ASHRAE 15			$ 12,000.00	$ 12,000.00	25%
				$ 180,000.00		
	Trane Labor					
40	Project Management	$	85.18		$ 3,407.20	30%
3	Snap Shot	$	250.00		$ 750.00	0%
2	Chiller Start Up				$ 2,750.00	50%
					$ 186,907.20	**24%**

Years

	GM $		Sell Price
		$	220,276.00
$	52,408.00	$	220,408.00
$	4,000.00	$	16,000.00
$	1,460.80	$	4,868.00
$	-	$	750.00
$	2,750.00	$	5,500.00
$	60,618.80	$	247,526.00
	Warranty Reserve	$	1,101.38
	Bond (Net)	$	4,925.00
Total Chiller Replacement		$	472,727.00
	10.28		

TRANE
Building Services

Program – for Trane Design Build Process

Trane U.S. Inc. is the only company owned Trane office in North and South Carolina. As a company owned office, we are the only factory service warranty provider for our area. As a Trane owned office, our technicians receive specialized training in the repair, maintenance and service of Trane equipment that is not available to the general public.

As the manufacturer, our service organization has access to confidential warranty information, service bulletins, and mandatory retrofit requirements as issued by our manufacturing facilities. In addition, Trane owned product lines are designed to provide in-depth data analysis thru monitoring, logging, and analysis of data points critical to the efficient operation of the customer's equipment.

By choosing our service organization as your design build provider for Trane equipment and implementation, you will be assured that all repairs and services are performed in conjunction with Trane requirements and therefore will preserve all existing warranties currently in place for your new Trane equipment.

Benefits for selecting Trane as the design build partner for -

1. Publicly listed factory pricing on equipment with a standard multiplier (GSA/ consortium pricing). This is pricing negotiated by volume with the federal government and with Statewide agencies and it ensures that equipment pricing is a standard scrutinized process.

2. The process of qualifying at minimum two contractors to guarantee lowest installed costs.

3. Contractors will meet Trane's stringent- safety, bonding, job site requirements etc. providing safety records and adhering to Trane's policies.

4. One point of contact and responsibility for all engineering, equipment procurement and installation for the entire project.

5. Avoidance of further capital expenditure during the design, bid and procurement phases of the project.

Cost avoidance-

1. Future repairs to the existing system
2. Rentals
3. Classroom time losses
4. Engineering fees and design review, bringing another team up to speed and vetting the entire process from start to finish (this has already been performed with Trane and its design team)

Standard outline of costs itemized for the project

1. Trane labor
2. Trane equipment
3. Design fees and documents
4. Subcontractor costs
5. Testing and start up
6. Overhead
7. Mark-up

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PROCESS TO DESIGN BUILD -

Process 1-

1. Trane will provide design services engineered drawings including but not limited to:
   - Mechanical
   - Electrical
   - Civil work
   - Demolition
   - Points Lists
   - Process Flow Diagrams
   - Narrative and Scope of work for Subcontractors

Process 2-

1. Trane will provide equipment selections and review for the project team
2. Equipment will be ordered and estimated deliveries will be charted via GANT chart for project team.

Process 3-

1. Trane will prepare in detail scopes and narratives for subcontractors to price and submit bids for. These documents will consist of but not be limited to the construction documents from Process 1 and:
   - Site review and existing conditions
   - Safety orientation and evaluation
   - Project clarifications

Process 4-

1. Trane conduct a formal bid opening with the project team
2. Bid evaluation and selection
3. Award and construction planning

Process 5-

1. Scheduling and implementation

Notes:

1. Trane will provide oversight and project team lead/ management of all subcontractors. Trane will insure and warranty all work done by all parties.
2. Trane will provide operators training on all new systems.
3. Trane will continue to monitor and operate this system by adding this equipment to our existing preventative maintenance program.