

SA&I 1-4040 (2000)

Canadian \_\_\_\_\_ County, Oklahoma  
COUNTY PURCHASING OFFICE  
Canadian \_\_\_\_\_ County Court House  
El Reno \_\_\_\_\_, Oklahoma  
Phone: ( 405 ) 295-6125

INVITATION TO BID

PLEASE REVIEW TERMS AND CONDITIONS ON REVERSE SIDE RELATING TO SUBMISSION OF THIS BID.  
Notarized Affidavit completions and signature required on reverse side.

DATE ISSUED  
April 4, 2016  
Page 1 of 2

BID NUMBER HVAC Replacement / #2016-#16 Health Department  
BID CLOSING DATE AND HOUR May 2, 2016 at 9:30am  
REQUIRED DELIVERY DATE SEE SPECIFICATIONS  
\_\_\_\_\_ Days after award of Purchase Order

TERMS Net, FOB Bids will be received beg. 9:30am Tuesday April 26, until May 2, 2016 @ 9:30am  
DATE OF DELIVERY: SEE SPECIFICATIONS

ITEM	QUANTITY	UNIT OF ISSUE	DESCRIPTION	UNIT PRICE	TOTAL
			<p>Canadian County Health Department is seeking bids for HVAC Replacement.</p> <p>Specifications attached.</p> <p>The Board of Canadian County Commissioners reserves the right to reject any and all bids or to award all or any portion of the items bid. All data will be considered in the awarding of the bid including the delivery time.</p> <p><u>The reverse of this sheet must be completed and returned or the bid will be rejected.</u></p> <p>Contact person: John Johnson, Chief of Staff 201 N Choctaw El Reno, OK 73036 (405) 295-6201</p>		<p>\$ _____</p> <p>Total</p>

APPROVED

Date David Anderson

April 4, 2016  
Officer or Department Head

STATE OF OKLAHOMA  
CANADIAN COUNTY  
FILED OR RECORDED

APR 04 2016

SHELLEY DICKERSON  
COUNTY CLERK  
160176

**TERMS AND CONDITIONS**

1. Sealed bids will be opened in the Commissioner's Conference Room, Canadian  
County Courthouse, 201 N. Choctaw Avenue, El Reno, Oklahoma, at the time and date shown on the invitation to bid form.
2. Late bids will not be considered. Bids must be received in sealed envelopes (one to an envelope) with bid number and closing date written on the outside of the envelope.
3. Unit prices will be guaranteed correct by the bidder.
4. Firm prices will be F.O.B. destination.
5. Purchases by Canadian County, Oklahoma, are not subject to state or federal taxes.
6. This bid is submitted as a legal offer and any bid when accepted by the County constitutes a firm contract.
7. Oklahoma laws require each bidder submitting a bid to a county for goods or services to furnish a notarized sworn statement of non-collusion. A form is supplied below.
8. Bids will be firm until 06/02/2016  
(DATE)

AFFIDAVIT: I, the undersigned, of lawful age, being first duly sworn on oath say that he (she) is the agent authorized by the bidder to submit the above bid. Affiant further states that the bidder has not been a party to any collusion among bidders in restraint of freedom of competition by agreement to bid at a fixed price or to refrain from bidding; or with any state official or employee as to quantity; quality or price in the prospective contract or any other terms of said prospective contract; or in any discussions between bidders and any state official concerning exchange of money or other thing of value for special consideration in the letting of a contract; that the bidder/contractor has not paid, given or donated or agreed to pay, give or donate to any officer or employee of the State of Oklahoma (or other entity) any money or other thing of value, either directly or indirectly in the procuring of the award of a contract pursuant to this bid.

Subscribed and sworn before this \_\_\_\_\_ day

of \_\_\_\_\_, 20 \_\_\_\_\_

(SEAL)

Firm: \_\_\_\_\_

My commission expires \_\_\_\_\_

Signed by: \_\_\_\_\_ Title: \_\_\_\_\_  
(Manual Signature of Undersigned)

\_\_\_\_\_  
NOTARY PUBLIC (CLERK OR JUDGE)

Address: \_\_\_\_\_ Phone: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_

Zip: \_\_\_\_\_

Please mail sealed bids to:  
Canadian County Clerk's Office  
Attn: Purchasing  
PO Box 458  
El Reno, OK 73036

Street Address:  
201 N Choctaw Avenue  
El Reno, OK 73036



---

Date Issued: April 4, 2016  
Bid Number: 2016-#16  
Closing Date: May 2, 2016 at 9:30am  
PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036  
Opening Date: May 2, 2016 at 9:30am  
Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

---

~ SPECIFICATIONS ~

**HVAC Replacement / Health Department**

Canadian County Health Department is seeking bids for HVAC Replacement for the Health Department located at 100 S. Rock Island, El Reno, Oklahoma.

**Bids will be received beginning at 9:30am on Tuesday, April 26 until 9:30am on Monday, May 2, 2016.**

- Project will be completed four (4) weeks or less from time of notification of award and will be installed to state and local codes.
- Contractor will be responsible for all electrical and gas connections, all lifting devices, miscellaneous supplies, manpower and clean-up.
- Contractor will provide equipment brand names and model numbers when quoting for this bid.
- Any electrical work necessary to provide power to the HVAC System shall be considered incidental to the project and any cost shall be included in the bid.

Bids shall be accompanied by:

- A certified check, cashier's check or bid bond equal to five percent (5%) of the bid, which shall be deposited with the awarding public agency as a guaranty; or

An irrevocable letter of credit terms the Construction and Properties Division of the Office of Management and Enterprise Services prescribes, issued by a financial institution insured by the Federal Deposit Insurance Corporation or the Federal Savings and Loan Insurance Corporation for the benefit of the state, on behalf of the awarding public agency, in an amount equal to five percent (5%) of the bid. The awarding public agency shall deposit the irrevocable letter of credit with Division.

- Business Relationships Affidavit

Awarded vendor shall provide:

- Contract
- Payment/Performance Bond
- Insurance – Contractor must provide evidence of public liability and workers' compensation insurance during construction in reasonable amounts.

(Please review Title 61 O.S. § 101-138 for full disclosure)

SEE SPECIFICATIONS ATTACHED.

**Special Notation:**

Brand names or specific detailed items are for informational purposes only and you may offer any brand that meets or exceeds the specifications.

For Information Contact:

**John Johnson, Chief of Staff**

Phone: (405) 295-6201

Hours: Monday – Friday 8:30am to 4:00pm

Address: 201 N. Choctaw, El Reno, OK 73036

---

If you have any questions or need additional information, please contact:  
**Sherry Murray**, Purchasing Agent, 405.295.6125 or 405.422.2441  
smurray@okcana.cogov.net

# GUIDE SPECIFICATIONS

## HEAT PUMP VARIABLE REFRIGERANT FLOW OUTDOOR UNITS

Toshiba Carrier Model Number: MMY--AP---4HT-UL

Size Range: 6 to 20 Ton Nominal Capacity

### PART 1 - GENERAL

#### 1.01 System Description

- A. The Toshiba Carrier Heat Pump Variable Refrigerant Flow system is a two pipe system consisting of a single or multiple outdoor units, multiple indoor units of various types and capacities, individual or central indoor unit controls with on/off temperature settings, all connected by fully insulated refrigerant lines utilizing factory supplied, fully insulated, branching kits. Indoor units are connected to condensate piping that shall be terminated to the nearest drain point.
- B. The system shall be fully capable of providing heating or cooling as requested by the individual indoor zones that can consist of single or multiple indoor units. The heating priority shall be the default factory setting and can be changed into cooling, majority or a single zone priority.
- C. The maximum number of connected indoor units shall not exceed 38.
- D. The total connected indoor unit capacity shall range between 80 and 125% of the outdoor unit capacity.

#### 1.02 Agency Listings.

- A. Units shall be listed by ETL and be evaluated in accordance with UL standard 1995, 4th. edition.
- B. Units shall be listed in the AHRI directory.
- C. All units shall meet the minimum Federal minimum efficiency standards and be tested per AHRI 1230 Standard.

#### 1.03 Delivery, Storage, and Handling

- A. Units shall be shipped in one piece and shall be stored and handled per unit manufacturer's recommendations.
- B. Units shall be supplied with a base rail that provides openings for moving the unit by fork truck or rigging the unit by crane.

#### 1.04 Warranty (For Inclusion by Specifying Engineer)

## PART 2 - PRODUCTS

### 2.01 Equipment

#### **A. General:**

Factory assembled, single piece, air-cooled outdoor unit. Contained within the unit enclosure shall be all factory wiring, piping, controls, and the multiple inverter driven twin rotary compressors.

1. The maximum sound pressure rating for a single module shall not exceed 62 dB(A) sound pressure in cooling and 63dB(A) in heating. For twinned systems the sound pressure numbers should not exceed 65 dB(A) and 66 dB(A).
2. The outdoor unit shall include an oversized accumulator and a liquid tank for proper heating performance while allowing the indoor unit PMV valve (metering device) to shut off completely when a zone is satisfied.
3. The outdoor unit shall be protected by a High-pressure switch, High-pressure sensor, Low-pressure sensor, Fusible plug, PC board fuse, and an inverter overload protector.
4. The outdoor unit shall be capable of operating in cooling mode down to 23°F ambient air temperature and down to 5°F WB ambient air temperature in heating.
5. The outdoor unit shall include a total oil management system that balances oil between compressors within a module, replenishes compressor oil to the compressors in a module from the oil separator if required, and allows to move oil and refrigerant between twinned units if required even if one of the units is not running.

#### **B. Unit Cabinet:**

1. Unit cabinet shall be constructed of pre-coated steel, finished on both inside and outside.
2. Unit access panels shall be removable with minimal screws and shall provide full access to the compressors, fan, and control components.
3. Compressors shall be isolated in a compartment and have an acoustic wrap to assure quiet operation.
4. The outdoor unit control panel shall include a sliding window to access adjustable controls and an LED display for setup and diagnostics.
5. Unit cabinet shall be capable of withstanding 500-hour salt spray test per Federal Test Standard No. 141 (method 6061).

**C. Fans:**

1. Outdoor fan shall discharge air vertically and be driven by a DC inverter variable speed motor with 64 steps that is capable of running down to 60 RPM.
2. Outdoor fan motor shall be totally-enclosed with permanently-lubricated bearings.
3. Motor shall be protected by internal thermal overload protection.
4. Fan blade shall be non metallic and shall be statically and dynamically balanced.
5. Outdoor fan shall be protected by a raised non metallic protective grille.

**D. Compressors:**

1. Each outdoor unit module shall be equipped with two or three inverter driven twin rotary compressors with full range control to a level of 0.1 Hz.
2. Compressor shall be totally enclosed in the machine compartment.
3. Compressors shall be equipped with factory mounted crankcase heaters.
4. Internal overloads shall protect the compressor from over-temperature operation.
5. Motor shall be suitable for operation in an R-410A refrigerant atmosphere.
6. Compressor assembly shall be installed on rubber vibration isolators.
7. To maximize compressor reliability, multiple compressors, within a module, shall be started and operated in variable patterns to ensure equal run time on all compressors.
8. To ensure maximum efficiency throughout the system operation range, no compressor is required to run at maximum speed under any condition.

**E. Outdoor Coil:**

1. Coil shall be constructed of aluminum fins mechanically bonded to seamless copper tubes, which are cleaned, dehydrated, and sealed.
2. The coil configuration shall be 4 sided and fully separated from the machine compartment for more effective heat transfer and sound isolation.
3. The coil fins shall have a factory applied corrosion resistant blue-fin finish.

**F. Controls and Safeties:**

Operating controls and safeties shall be factory selected, assembled, and tested. The minimum control functions shall include the following:

1. Controls:
  - a. Compressor speed to match the refrigerant flow and capacity with the system requirements.
  - b. Outdoor fan motor speed for higher efficiency and lower sound.
  - c. Oil control for improved system reliability and comfort
  - d. Pulse modulating valve control for precise control of the refrigerant distribution and accurate capacity management to avoid starving any units.
  - e. Control of compressor staging to maximize reliability and minimum run time on all compressors.
  - f. Module control of compressor operation, compressor speed, and outdoor heat exchange surface to maximize efficiency and sound level and reliability across the entire operating range of the system.
  - g. Control of the outdoor heat exchanger surface (main vs. sub heat exchangers) for maximum efficiency and comfort.
2. Safeties:

The following safety devices shall be part of the condensing unit:

- a. High pressure switch
- b. Fuses
- c. Crankcase heater
- d. Fusible plug
- e. Over current relay for the compressor
- f. Thermal protectors for compressor and fan motor
- g. Compressor time delay
- h. Oil Recovery system
- i. Oil level sensor
- j. Over-current sensor
- k. Compressor suction and discharge temperature sensor
- l. Compressor suction and discharge pressure sensor

**H. Electrical Requirements:**

1. All sizes shall utilize 208/230-3-60 or 460-3-60 field power supply.
2. Twinned systems shall have separate field power supply to each module.
3. Two core shielded low voltage cable is shall be required for communication between outdoor and indoor unit.
4. All power and control wiring must be installed per NEC and all local electrical codes.

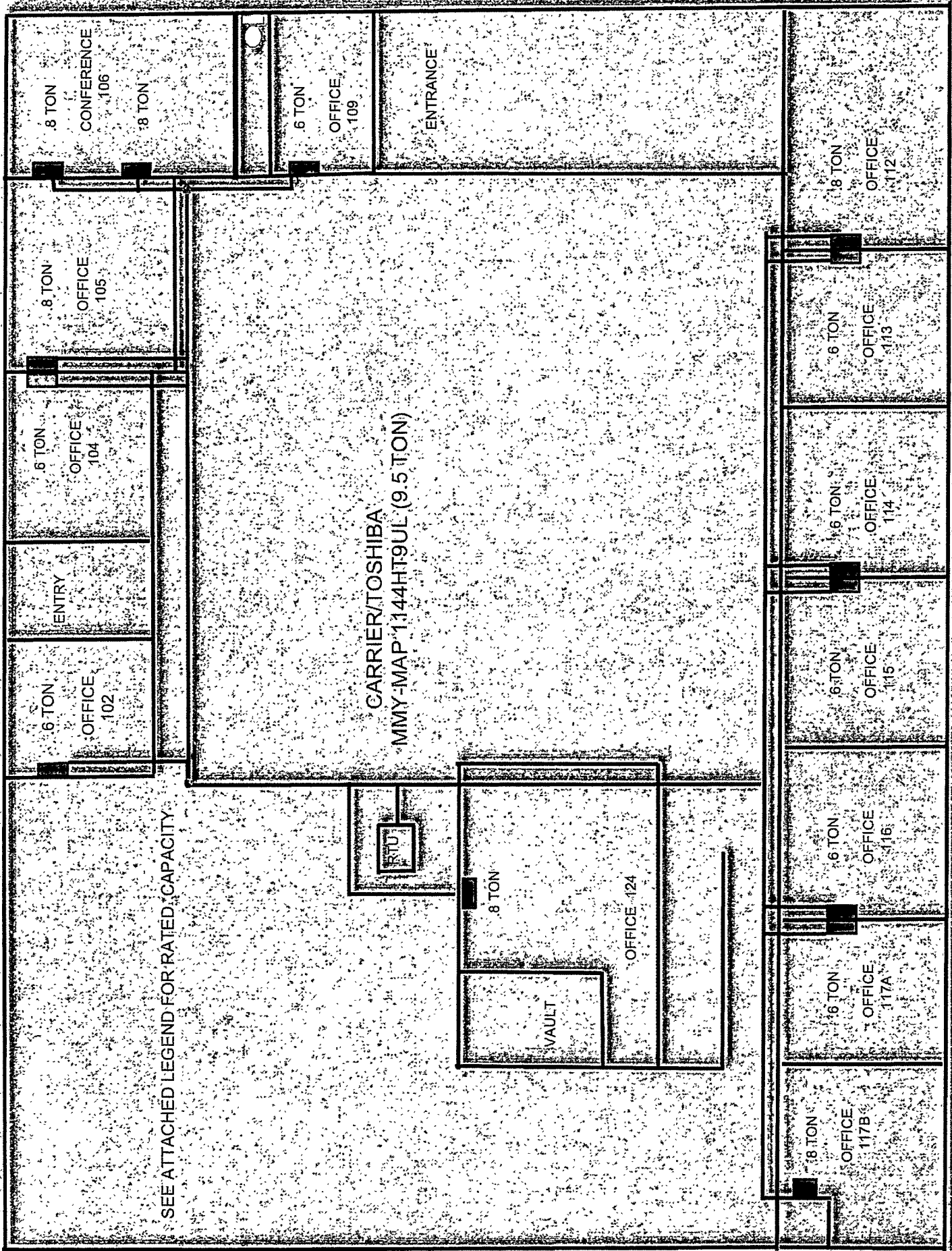
**I. Refrigerant Piping and Line Lengths:**

1. Piping connections shall be from the front or the bottom of the unit. The unit shall be capable of operating with maximum connected refrigerant line lengths of 985 ft.
2. The outdoor unit should have the ability to operate with a maximum height of 230 ft. between the outdoor and the lowest indoor unit.
3. The maximum distance between the outdoor unit and the furthest fan coil shall not exceed 590 ft. No line size changes or oil traps shall be required.
4. The system should be capable of operating when the height difference between the upper and the lower fan coil is 130 ft.

**J. Auxiliary Refrigerant Components:**

1. All field supplied copper tubing connecting the outdoor unit to the indoor unit shall use factory supplied branching kits consisting of either Y joints or headers to ensure even refrigerant flow.
2. To ensure piping flexibility the system shall allow having Y joints or headers downstream of another header.
3. When twinning two modules, and in order to maximize efficiency and comfort, a 3/8" oil balance line shall be used to allow the flow oil and refrigerant between the two units even when one of the units is not running.

SEE ATTACHED LEGEND FOR RATED CAPACITY

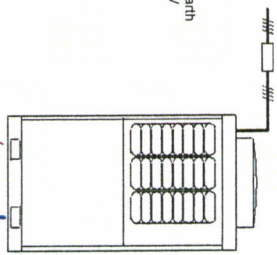






MMY-MAAP1144HT9UL  
9.5ton

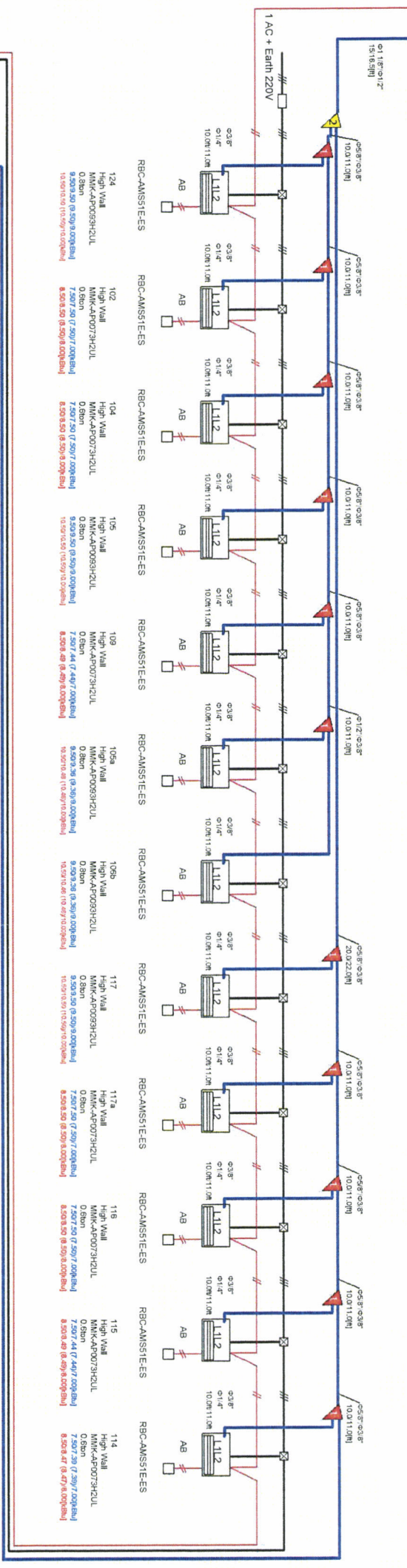
3 AC + Earth  
208/230V



Refrigerant Cycle No.	1
Outdoor Name	HP-1
Outdoor Type	SMMS-1
Model Name	MMY-MAAP1144HT9UL
Horsepower	9.5ton
Outdoor Capacity	114.00KBTU/112.60KBTU/128.00KBTU/127.41KBTU
Indoor Required Cooling Capacity	117.00KBTU/116.11 (116.11)KBTU/110.00KBTU
Indoor Required Heating Capacity	131.00KBTU/130.76 (130.76)KBTU/124.00KBTU
Unit Position	Below
Outdoor Temperature Cooling/Heating	95.0F/43.0F
Additional Refrigerant	23.69lbs

Control Wiring Name	Label	Wiring	Wiring Size and Length
Outdoor - Indoor Control Wiring	U1 U2	2-core Non-polarity Shielded cable	AWG16: Up to 3280 ft (1000 m)
Central Control Wiring	U3 U4	2-core Non-polarity Shielded cable	AWG14: Up to 6560 ft (2000 m)
Outdoor Units Control Wiring	U5 U6	2-core Non-polarity Shielded cable	AWG16 to AWG14/Up to 330 ft (100 m)
Remote Controller Wiring	AB	2-core	AWG20 to AWG14 - Up to 1640 ft (500 m) - Up to 1310 ft (400 m) in case of wireless remote control in group control - Up to 660 ft (200 m) total length of control wiring between indoor units

Product Name	Model Name	Qty
Outdoor Unit(s)	MMY-MAAP1144HT9UL	1
Indoor Unit(s)	MMK-AP073H2UL	8
Indoor Unit(s)	MMK-AP093H2UL	6
Y-3control(s)	RBM-BY55UL	12
Y-2control(s)	RBM-BY105UL	1
RFC	RBC-AMS1E-ES	14



RBC-AMS1E-ES	RBC-AMS1E-ES
113 High Wall MMK-AP073H2UL 0.8ton 7.20T/24 (7.20T/24)KBTU 4.20T/14 (4.20T/14)KBTU	112 High Wall MMK-AP093H2UL 0.8ton 7.20T/24 (7.20T/24)KBTU 4.20T/14 (4.20T/14)KBTU

Note: Equivalent length is calculated by coefficient 1.100  
 - The user is responsible for ensuring that all data entered is correct.  
 - The user is responsible for ensuring that the equipment is installed within the Toshiba SMMS-1/SMMS-1/SMMS-1/SMMS-1 Installation Manual.  
 - It is the responsibility of the consultant or contractor to verify and confirm that the equipment selection and system design is correct before installation.  
 - Please note that in the event of future system expansion being allowed for in the system design or a change in cooling/heating requirements, a re-evaluation of the air conditioning system must be made prior to final installation.

Building name  
**New Canadian County Health Dept.**

Date  
**2015-07-16**

Drawing No.

Drawing name

Scale  
**NonScale**

Software Version  
**2.4.136.0**

	RBM-BY55UL		RBM-HY104S3UL
	RBM-BY105UL		RBM-HY204S3UL
	RBM-BY205UL		RBM-HY108S3UL
	RBM-BY205UL		RBM-HY208S3UL

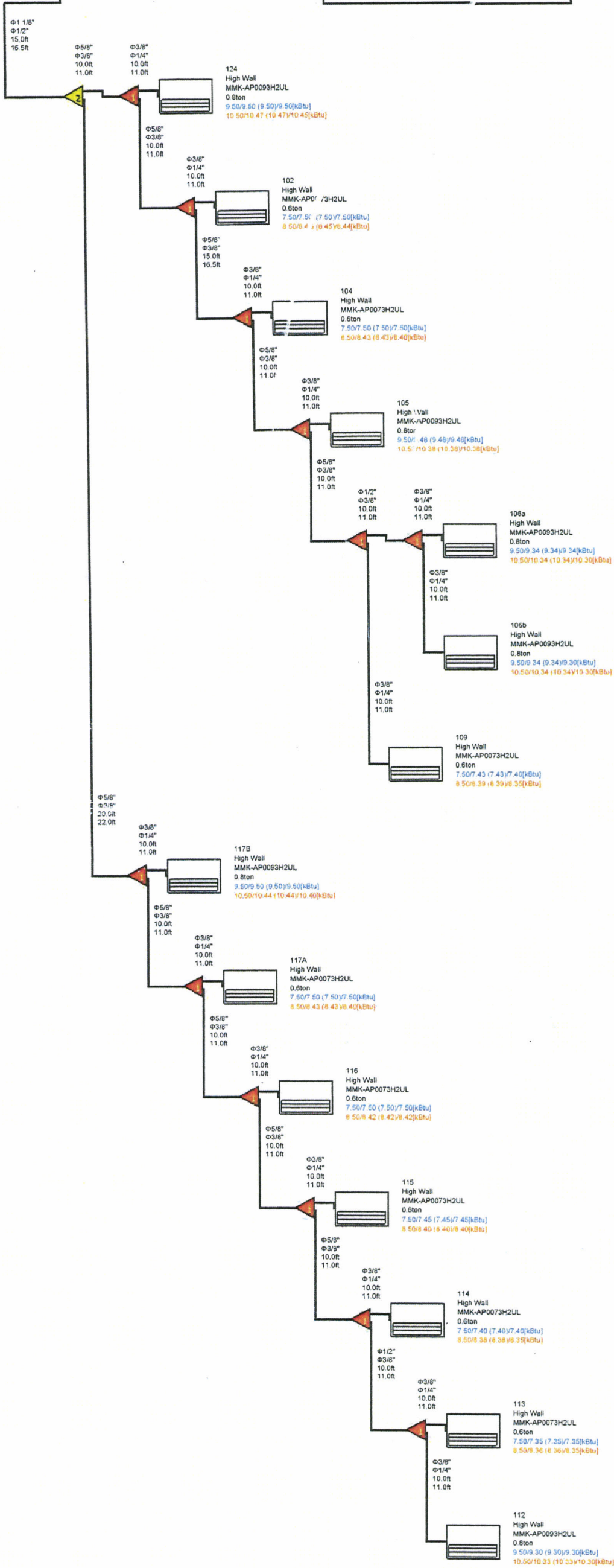
MMY-MAP1144HT9UL(0.5ton)  
114.00/112.76(kBtu)  
128.00/126.00(kBtu)  
117.00/116.09 (116.09)/116.02(kBtu)  
131.00/129.56 (129.56)/129.24(kBtu)  
HP-1

**Outdoor Key/Legend**  
Outdoor Model Name  
Outdoor Cooling Rated /Corrected Cap.  
Heating Rated /Corrected Cap.  
Indoor Cooling Rated/Capability (Corrected)/Required Cap.  
Total Heating Rated/Capability (Corrected) /Required Cap.

**Piping Legend**  
Gas pipe diameters  
Liquid pipe diameters  
Actual length  
Equivalent length

**Indoor Key/Legend**  
Indoor Unit Name  
Type  
Model  
Capacity Rank  
Cooling Rated/Capability (Corrected)/Required Cap.  
Heating Rated/Capability (Corrected) /Required Cap.  
Floor Name  
Room Name

	RBM-SY55UL
	RBM-BY105UL
	RBM-BY205UL
	RBM-HY1043UL
	RBM-HY2043UL
	RBM-HY1083UL
	RBM-HY2083UL





Date Issued: April 4, 2016  
Bid Number: **2016-#16**  
Closing Date: May 2, 2016 at 9:30am  
PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036  
Opening Date: May 2, 2016 at 9:30am  
Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

~ AFFIDAVIT~

**HVAC Replacement / Health Department**

State of Oklahoma )  
County of Canadian ) §

I, Sherry Murray, Purchasing Agent, in and for said County and State, do hereby certify that "Invitations to Bid" were sent to the following:

Adams Heat and Air  
1101 NW 99<sup>th</sup>  
Oklahoma City, OK 73114

Air Flow Technologies  
PO Box 851844  
Yukon, OK 73085

All Hours Plumbing Services  
PO Box 12726  
Oklahoma City, OK 73157

Bailey Brothers PMG, HTG & A/C Inc  
800 Industrial Drive  
Yukon, OK 73099-2833

Barry Sell Mechanical Tech.  
3221 SW 18<sup>th</sup> Street  
Oklahoma City, OK 73108

Bid Clerk  
[govbids@bidclerk.com](mailto:govbids@bidclerk.com)

Bid News  
[project@bidnews.com](mailto:project@bidnews.com)

Brewers Heat and Air  
5956 NW 34<sup>th</sup>  
Oklahoma City, OK 73122

Capital Service  
12900 Tracy Drive  
Oklahoma City, OK 73165

Cheka Group LLC  
1042 SE 25<sup>th</sup> Street  
Oklahoma City, OK 73129

Central Mechanical Services Inc  
1887 State Highway 92  
Chickasha, OK 73018-7001

Central Mechanical Services Inc  
2605 S Purdue  
Oklahoma City, OK 73128

Central Oklahoma Winnelson  
PO Box 2052  
Oklahoma City, OK 73101

Central State Thermo King Inc  
1401 Enterprise Avenue  
PO Box 270543  
Oklahoma City, OK 73127

Comfort Air  
4917 SW 7th  
Oklahoma City, OK 73128

Crick Air & Heat  
PO Box 107  
Hinton, OK 73047

Diversified Labor & Construction  
3523 N Star Road  
Stillwater, OK 74075

EDP Contract Services  
Attn: Mike Modarelli  
12128 Briarlake Ct  
Oklahoma City, OK 73170

ePlan  
4115 South Providence, Suite 105  
Columbia, MO 65203

Ezell's Refrigeration  
418 W Wade Street  
El Reno, OK 73036

Francis Tuttle Vo-Tech Center  
Attn: Bid Assistant – Judy Robbins  
12777 N Rockwell  
Oklahoma City, OK 73142

Gatz Mechanical Inc  
PO Box 936  
El Reno, OK 73036

Gentry Service & Repair Inc  
12004 Southfork Road  
Mustang, OK 73064

Gibbens Heating & Air  
1107 Sunset Drive  
El Reno, OK 73036

Harrison-Orr Air Conditioning Inc  
4100 North Walnut  
Oklahoma City, OK 73105-3798

Higgins Plumbing  
404 Cherryvale Road  
Edmond, OK 73103

Innovative Mechanical LLC  
PO Box 721178  
Oklahoma City, OK 73172

Integrity Restoration Specialists LLC  
11532 NW 5<sup>th</sup> Street  
Yukon, OK 73099

Johnson Controls Inc  
4730 SW 20<sup>th</sup> Street  
Oklahoma City, OK 73128

Lieber Mechanical LLC  
1105 First Place Blvd  
Yukon, OK 73099

Natkin  
4730 SW 20<sup>th</sup> Street  
Oklahoma City, OK 73128

Online Data Services  
3295 River Exchange Drive, Suite 213  
Norcross, GA 30092

Patrick's George Plumbing  
401 SE 59<sup>th</sup>  
Oklahoma City, OK 73129

Precision Plumbing Service  
PO Box 734  
Piedmont, OK 73078

Rainbow Heat & Air Inc  
501 Cedar  
Yukon, OK 73099

Reed Construction Data  
30 Technology Pkwy South, Suite 100  
Norcross, GA 30092

Ross Services LLC  
11609 Footman's Court  
Yukon, OK 73099

Smith Plumbing  
12333 SW 6<sup>th</sup> Street  
Yukon, OK 73099

Streets Inc  
100 E Commerce  
Oklahoma City, OK 73129

TA Miller Plumbing  
2111 North Linn  
Oklahoma City, OK 73107

Team Air  
4001 North Walnut  
Oklahoma City, OK 73105

Tipton's Plumbing & Sewer  
708 NW 5<sup>th</sup>  
Moore, OK 73160

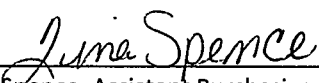
Trane  
PO Box 845053  
Dallas, TX 75284-5053

Trane  
305 Hudiburg Circle  
Oklahoma City, OK 73108

Tuffcoat Inc  
2896 Broce Drive  
Norman, OK 73072

Waggoners Mechanical Services LLC  
1351 E Indian Hills  
Norman, OK 73071

Witness my hand and seal this 4<sup>th</sup> day of April, 2016.

  
Tina Spence, Assistant Purchasing Agent

(SEAL)





**Canadian County**  
**Purchasing**

**BID CHECKLIST**

---

Date Issued: April 4, 2016  
Bid Number: 2016-#16  
Closing Date: May 2, 2016 at 9:30am  
                  PO Box 458, 201 N. Choctaw Ave., El Reno, OK 73036  
Opening Date: May 2, 2016 at 9:30am  
                  Commissioner's Meeting Room, 201 N. Choctaw Ave., El Reno, OK 73036

---

**TO HELP PREVENT BIDS FROM BEING REJECTED FOR LACK OF COMPLETION  
PLEASE CHECK FOR THE FOLLOWING:**

Is the Invitation to Bid Signed and Notarized? \_\_\_\_\_

Are all applicable spaces filled in? \_\_\_\_\_

Are all necessary papers enclosed? \_\_\_\_\_

Is the Bid # and Opening Date on outside of return envelope? \_\_\_\_\_

Bids will be received beginning 9:30am Tuesday April 26 until 9:30am Monday May 2, 2016? \_\_\_\_\_  
(Do not turn bid in before Tuesday April 26 @ 9:30am – bid will not be opened or considered)

Thank You,

Sherry Murray, Purchasing Agent