

**BID SPECIFICATION SHEET FOR FB16-064**

INSTALLATION OF DAIKIN A/C POPPLWELL AND WILSON

**Scope:**

Installation of Daikin A/C Equipment in Wilson Hall and Popplewell Hall (President’s Suite). Contact Gregory George at the Physical Plant Department 816-271-4417 to view project site, obtain engineered drawings and specifics of installation. Direct all other questions to Purchasing Manager, Kelly Sloan (816) 271-4465, [purchase@missouriwestern.edu](mailto:purchase@missouriwestern.edu)

**Timeline of Project:**

* Mandatory pre-bid meeting at Physical Plant Breakroom March 30, 2016 at 10:00am
* Bid opening April 11, 2016 2:00pm Purchasing Department, Popplewell 221
* Project will begin April 12th and will be completed by June 30, 2016

**Bid Specification:**

* Installation shall include all mechanical, electrical, plumbing and associated systems of the project to produce complete and fully functional systems.
* All work is to be coordinated with MWSU to minimize interference with necessary and ongoing university functions.
* Attendance to a pre-bid meeting with MWSU shall be mandatory.
* MWSU shall provide all Daikin components associated with the systems.
* Contractor shall perform roof penetrations and sealing thereof.
* Contractor shall provide “I beam” steel roof supports (3” X 0.17” X 2.33”) at least as long as the outside dimension of the outdoor unit, disconnecting mounting, and hydrant requirements and riser supports (2” dia.) to structural steel of building for outdoor unit mounting. Outdoor unit shall be mechanically fastened to “I beam” in an approved manner and “I beam” shall have 4 - 5” clearance above finished roof. All steel shall be primed and painted for corrosion resistance. (President’s Office Suite)
* Remove existing condensing unit and mount new outdoor unit on existing steel, after priming and painting of existing steel. (Wilson Hall)
* Installation shall strictly conform to manufacturer’s instructions and all applicable building codes.
* Installation of the A/C system shall be subject to guidance and inspection by representatives of Thermal Mechanics Inc.
* Refrigeration tubing system may be brazed copper or other Thermal Mechanics Inc. approved system.
* All work shall be performed in accordance with MWSU’s “Hot Work” guidelines.
* Isolation valves shall be provided on all refrigeration tubing on the outside unit side and terminal unit side of the branch selector box.
* All copper tubing brazing shall be performed utilizing dry nitrogen to prevent oxidation of interior refrigeration tubing walls.
* Contractor shall be liable for equipment damage due to inadequate / improper use of nitrogen during brazing operations.
* Electrical conductors shall be enclosed in metallic raceway with equipment grounding conductor and not be smaller than 12AWG for power circuits and not smaller than 18AWG (jacketed cable) for signal circuits and be color coded in uniform manner to indicate purpose / voltage.
* Outdoor unit shall have lever arm – knife blade style disconnect (fusing is not required) mounted to the structural steel to a height of 5’.
* Terminal units shall be provided with disconnecting switches appropriate for the load.
* Contractor shall provide a freeze-proof hydrant mounted to outside unit’s structural steel.
* Condensate and water supply piping shall be insulated with ½” open cell insulation at a minimum.
* Installation shall include the demolition and removal of all components of the existing air conditioning system. Thermostats, air diffusers and grilles shall be remitted to MWSU.
* Hot deck and cold deck ducts serving the installation area shall be capped and sealed downstream of the last take-offs not serving the installation area. (President’s Suite)
* Installation in rooms 218, 218A, 218B, and 219 of Popplewell Hall shall include the demolition and removal of the existing ceiling system and lighting fixtures.
* Installation in the remaining areas shall be removal and reuse of existing ceiling tiles
* Installation shall include the replacement of the ceiling system with grid and drop-in ceiling tiles including lighting fixtures. (President’s Suite)
* Replacement ceiling system is specified to be “Astro” USG 8223 SLT tiles into “Astro” E DONN DX/DXL grid.
* The new lighting fixtures and their control elements will be provided by MWSU with directive for their locations and control method.
* Contractor shall warrant their workmanship and materials for a period of one year from date of acceptance.

**Bid Award:**

Bid will be evaluated and awarded either per building or as entire project with both buildings included.

**This will be a prevailing wage project.**

* + **Bidders must submit a notarized Affidavit of Work Authorization and completed MOU signature pages, per attached memorandum dated January 2014, with their bids.**
  + **Annual Wage Order Number 22 is currently in effect. A copy of this order will be attached separately once bid is awarded.**
  + **A Certificate of Liability Insurance will also be required with MWSU listed as an additional insured.**
  + **Missouri Revised Statute Chapter 292.675 went into effect on August 28, 2008, all on-site employees are required to complete the ten-hour safety training program.**

Bid Amount Wilson $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bid Amount Popplewell $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Bid Amount Both Locations $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Authorized Signature Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Return this pricing sheet with your bid. Include any addendum(s) with your initials.

All questions should be directed to Purchasing Manager, Kelly Sloan, (816) 271-4465, [purchase@missouriwestern.edu](mailto:purchase@missouriwestern.edu)

Missouri Western reserves the right to accept or reject any or all items of this bid.

Include with your bid:

* Bid Bond in the amount of 5%
* Signed & Notarized Affidavit of Work Authorization (see attached) and completed MOU signature pages.
* E-verify

**PREVAILING WAGE PROJECT INFORMATION**

TO: ALL BIDDERS

FROM: MISSOURI WESTERN STATE UNIVERSITY

DATE: January 2014

RE: ADDITIONAL BID SUBMISSION REQUIREMENTS

Please review Missouri statute, 285.530 RSMo, regarding employment of unauthorized aliens. Pursuant to RSMo 285.530 (1), No business entity or employer shall knowingly employ, hire for employment, or continue to employ an unauthorized alien to perform work within the State of Missouri, and (2), the bidder must affirm its enrollment and participation in a federal work authorization program with respect to the employees proposed to work in connection with the services requested herein by:

Submitting a completed, notarized copy of AFFIDAVIT OF WORK AUTHORIZATION (attached) and,

Providing documentation affirming the bidder’s enrollment and participation in a federal work authorization program (see below) with respect to the employees proposed to work in connection with the services requested herein.

A copy of RSMo 285.530 can be viewed in its entirety at:

<http://www.moga.mo.gov/statutes/C200-299/2850000530.HTM>

E-Verify is an example of a federal work authorization program. Acceptable enrollment and participation documentation consists of completed copy of the E-Verify Memorandum of Understanding (MOU). A sample of the MOU is included. For vendors that are not already enrolled and participating in a federal work authorization program, E-Verify is available at:

<http://www.dhs.gov/files/programs/gc_1185221678150.shtm>

*The successful bidder will be required to submit a notarized Affidavit of Work Authorization and the completed MOU signature pages (the last three pages) with their bid. A bid that does not include these items will be deemed Non-responsive.*

**WORK AUTHORIZATION AFFIDAVIT**

**PURSUANT TO R.S.Mo. §285.530**

**(For all bids in excess of $5,000.00)**

**Effective 1/1/09**

State of Missouri )

)ss

County of Buchanan )

Comes now \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Name of Business Entity Authorized Representative) as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Position/Title) first being duly sworn on my oath, affirm \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Business Entity Name) is enrolled and will continue to participate in the E-Verify federal work authorization program with respect to employees hired after enrollment in the program who are proposed to work in connection with the services related to contract(s) with the State of Missouri for the duration of the contract(s), if awarded in accordance with subsection 2 of section 285.530, RSMo. I also affirm that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (Business Entity Name)does not and will not knowingly employ a person who is an unauthorized alien in connection with the contracted services provided under the contract(s) for the duration of the contract(s), if awarded.

***In Affirmation thereof, the facts stated above are true and correct. (The undersigned understands that false statements made in this filing are subject to the penalties provided under section 575.040, RSMo.)***

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| Authorized Representative’s Signature |  | Printed Name |
|  |  |  |
|  |  |  |
| Title |  | Date |
| E-Mail Address |  | E-Verify Company ID Number |

Subscribed and sworn to before me this \_\_\_\_\_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. I am

(DAY) (MONTH, YEAR)

commissioned as a notary public within the County of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, State of

(NAME OF COUNTY)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and my commission expires on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

(NAME OF STATE) (DATE)

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Signature of Notary |  | Date |