

**SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**

**ATTACHMENT J-8.C.3.5.3.2.3 HVAC Systems by Facility/Location**

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**ATTACHMENT J-8.C.3.5.3.2.3 HVAC Systems by Facility/Location**

<b>Building</b>	<b>Area</b>	<b>Type Unit</b>	<b>Manufacturer</b>	<b>Model Number</b>	<b>Capacity</b>
C-100, Administration Bldg.	Computer Room	Split System, Gemini	Carrier	38ARZ007-501	6 ton
C-100, Administration Bldg.	Computer Room (north end)	Package System, Maverick II	McQuay	MPS015AYDL	15 ton, cool only
C-100, Administration Bldg.	Computer Room (south end)	Package System, Maverick II	McQuay	MPS015AYDL	15 ton, cool only
C-103, DOE Site Office	Roof Top Unit 1	Package Heat Pump	York	B36H036A	5 ton
C-103, DOE Site Office	Roof Top Unit 2	Package Heat Pump, Affinity	York	B6HX048A25A	4 ton
C-103, DOE Site Office	Roof Top Unit 3	Package Heat Pump	York	B36H036A	5 ton
C-103, DOE Site Office	Roof Top Unit 4	Package Heat Pump	York	B36H036A	5 ton
C-103, DOE Site Office	Roof Top Unit 5	Package Heat Pump, Sunline	York	XP060C00N2AAA2A	5 ton
C-103, DOE Site Office	Roof Top Unit 6	Package Heat Pump, Predator	York	XP090E36A2AAA4A	7.5 ton
C-103, DOE Site Office	Server Room	Heat Pump Rooftop Package	Mitsubishi	PUY-A24NHA	2 ton
C-103, DOE Site Office Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673046-02	2 ton
C-103, DOE Site Office Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673047-02	3 ton
C-103, DOE Site Office Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673048-02	3 ton

**Paducah Infrastructure Support Services**  
**Final Request for Proposal**  
**DE-SOL-0006383**

<b>Building</b>	<b>Area</b>	<b>Type Unit</b>	<b>Manufacturer</b>	<b>Model Number</b>	<b>Capacity</b>
C-103, DOE Site Office Annex	Annex	Heat Pump, Wall-mount	Bard	SH381-B09R, Ser.# 163P092673049-02	3 ton
C-225-A, Post 48	Security Post, North Side	Type Unit: Split System Heat Pump, Mr. Slim	Mitsubishi	PUH36EK	3 ton
C-225-A, Post 48	Security Post, South Side	Type Unit: Split System Heat Pump, Mr. Slim	Mitsubishi	PUH36EK	3 ton
C-229, Post 229	Security Post, North Side	Wall-mount AC, with heat Strips	Bard	WA302-A10	2.5 ton cool, 10 KW heat
C-229, Post 229	Security Post, South Side	Wall-mount AC, with heat Strips	Bard	WA302-A10	2.5 ton cool, 10 KW heat
C-743-T11	C-743-T-11, North Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T11	C-743-T-11, South Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T13	C-743-T-13, North Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T13	C-743-T-13, South Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T14	C-743-T-14, North Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T14	C-743-T-14, South Side	Wall-mount AC, with heat Strips	Bard	CH381-A10	3 ton cool, 10KW heat
C-743-T17	C-743-T-17, East End	Wall mount AC	Bard	WA361-A00	3 ton, cool only
C-743-T17	C-743-T-17, West end	Wall mount AC	Bard	WA361-A00	3 ton, cool only
C-802A	Meteorological Comm. Bldg.	Wall mount AC, with heat strips	Bard	WA242-A05	2 ton cool, 5KW heat

**Further HVAC Details of Buildings C-100, C-101**

1. The C-100 and C-101 HVAC system is a heat exchange system.
2. The C-100 Building hot water (for faucets, restrooms, etc.) is supplied via a Constantemp heat exchanger, Model 5300. This unit is located in the SE mechanical room.
3. The C-100 Building has four mechanical rooms with a hot deck and a cold deck in each room. Each deck has a set of cold and hot coils (tube size ½”) and one ventilation fan for each deck.
4. C-101 kitchen restrooms, kitchen change area, and kitchen perimeter have a fin type radiator system supplied with hot water via a circulating pump on an 8” X 8’ heat exchanger in the C-101 basement mechanical room, northwest wall.

<b>Mechanical Room Location</b>	<b>Type Deck</b>	<b>Number of Coils</b>	<b>Approximate Coil Size (each)</b>	<b>Fan ID Number</b>	<b>HVAC Vent Fan Approximate Size</b>	<b>Fan Motor Manufacturer</b>	<b>Motor Size</b>
C-100 SE	Cold	3	24” X 48”	15	48”	GE	7.5 HP
C-100 SE	Hot	3	24” X 48”	16	48”	A.O. Smith	7.5 HP
C-100 Central	Cold	3	24” X 60”	09	72”	GE	10 HP
C-100 Central	Hot	3	24” X 60”	10	72”	Baldor	10 HP
C-100 SW	Cold	3	24” X 60”	12	48”	GE	7.5 HP
C-100 SW	Hot	3	24” X 60”	11	48”	GE	7.5 HP
C-100 NW	Cold	2	28” X 60”	13	60”	Teco	10 HP
C-100 NW	Hot	2	24” X 48”	14	48”	GE	7.5 HP
C-101	Cold	2	32” X 60”	6	60”	GE	10 HP
C-101	Hot	2	32” X 60”	7	60”	GE	10 HP