**\*\*If bidding other than specified, please provide manufacturer’s specs for “or equal” items. \*\***

**Scope of Work**:

The Contractor shall furnish all labor, materials, equipment and tools to remove existing outdoor freezer/cooler and install new outdoor walk-in freezer/cooler for the Louisiana Department of Corrections (DOC).

**Location:**

Dixon Correctional Institute

Compound 4

5568 Highway 68

Jackson, LA 70748

**Site Visit Contact:**

Will Bunch

225-634-6101

**Specifications:**

1. The Contractor shall disassemble existing freezer/cooler and remove offsite.
2. The Contractor shall install new walk-in combination freezer/cooler with floor, condensing unit and evaporator on existing concrete slab 10’ wide x 23’ 5’” long by 4” thick slab**. Thermalite Model Custom** or equal

**Specify Brand Bidding:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The Contractor shall furnish a temporary refrigerated trailer while work is being done.

**The Contractor shall perform the following:**

### Construction and Finishes are the same for the Holding Freezer and Holding Cooler

1. **Walls**:

Interior walls shall be 0.040” embossed white aluminum, while the exterior walls shall be constructed of 26-gauge acrylume with an embossed finish. Walls shall be insulated with 4” thick and made of UL Underwriters Laboratory Listed Class 1 foam.

1. **Floors**:

The interior floors shall be 0.125” aluminum diamond tread. Exterior floors shall be made of 26-gauge acrylume with an embossed finish. Floors shall be made of 4.125” thick, reinforced to support up to 175 pounds per cart and 5,000 pounds per square foot.

1. **Ceilings:**

Ceilings interior finish shall be 0.040” embossed white aluminum and exterior finish shall be 26 gauge acrylume with a Mesa pattern. Ceilings shall be 5” thick with UL Listed Class 1 Foam and locking mechanisms for external security.

1. **Cooler Door shall be constructed with the following:**

## The unit is equipped with two doors.

* A hinged flush design with a finished opening of approximately 36” wide by 78” high.
* An unheated internal ramp threshold and magnetic gaskets.
* Kick plates measuring 34.625” and 36” for the door and jamb.
* **Kason 27C** or equal quarter-turn chrome deadbolt latch

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

* **Kason 1094 Sureclose** or equal hydraulic concealed closer

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

* **Kason 1248** or equal hinges

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

* **Kason 1967-2** or equal digital thermometer with a switch

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

* A 120V LED light fixture mounted to the jamb, a loose optic globe
* A strip curtain
* A 24” ramp interior depth
1. **Freezer door shall be constructed with the following:**
* Measure approximately 36” wide by 78” high.
* A heated jamb, heated four sided threshold, and floored NSF (National Sanitation Foundation) partition.
* A vent 115V heated pressure relief vent
* Kick plates measuring 35.125” and 36” interior and exterior of door
* Magnetic gasket
* Latch – **Kason 27C** or equal ¼ turn Chrome deadbolt

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

* Door closure – **Kason 1094 Sureclose** or equal Hydraulic with concealed mounting

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

* **Kason 1248 or equal** hinges

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

* **Kason 1967-2** or equal Digital thermometer with switch

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

* Light – **Kason 1806** or equal (LED) (120V) Fixture (mount to jamb) and Optic Globe

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_

* Strip curtain
* Ramp – 24” deep interior

### **Refrigeration Systems – The refrigeration systems are customized for each compartment**

### **Compartment 1**

### **Holding Freezer**

1. Highest Temperature Acceptable: -10 degrees
2. Internal dimensions are to be 10’ wide x 11’ 2” deep, and 7’ 9 7/8” high, with a total volume 874 cubic feet.

### **Compartment 2**

### **Holding Cooler**

1. Temperature shall remain at +35 degrees
2. Internal dimensions are to be approximately 10’ wide x 11’ 2” deep, and 7’ 9 7/8” high, with a total volume 874 cubic feet.

### **Holding freezer**

1. Designed to maintain highest temperature acceptable -10 degrees at 95
2. Degrees F ambient temperature

 **Outdoor freezer condensing unit** extended medium temperature scroll compressor

1. 3.5HP
2. Scroll compressor type
3. R448 Refrigerant
4. 208-230 VAC, 60 HZ, 3 phase
5. MCA (Minimum Circuit Ampacity) of 15.6
6. MOPD ( Maximum Operating Pressure Differential) of 25
7. 11,140 BTUH
8. 13.6 - Receiver Capacity
9. 3/8” OD – liquid
10. 7/8” OD – suction
11. Flooded: no defrost provisions

HTPG-Russell DOE NEXT GEN-Mini-Con Condensing Unit: **RFO350L4SEANT low** or equal

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Outdoor Unit Cooler**:

1. Low-profile with dual speed EC motor fans
2. Voltage: 208-230/1/60
3. Amps: 9.8
4. Amps total: 1
5. Fans: two each
6. Drain connection: ¾ - 14 NPT
7. Inlet 3/8 OD
8. Suction 5/8 OD
9. Equalizer ¼ OD
10. 12,400 BTUH

HTPG-Russell DOE Next Gen Unit Cooler: **RL6E105DDARE** or equal

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Outdoor cooler:** Designed to maintain 35 degrees at 95 ambient temperature around box

**Outdoor cooler condensing unit:**

1. 1.25 HP
2. Extended medium temperature scroll compressor
3. R448 Refrigerant
4. 208-230 VAC, 60 HZ, 3 phase
5. MCA (Minimum Circuit Ampacity of 15.6
6. MOPD (Maximum Operating Pressure Differential) of 25
7. 12,140 BTUH
8. Receiver capacity: 11
9. ½ OD Liquid
10. 7/8 OD Suction
11. Flooded: No Defrost Provisions: Adjust low pressure control

HTPG-Russell DOE NEXT GEN-Mini-Con Condensing Unit: **RFO150E4SEANT** or equal

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Unit Cooler:**

1. Low-profile with dual-speed EC Motor
2. Fans – 2 each
3. Amps total – 1.6
4. Voltage – 115/1/60
5. Drain Connection – ¾ - 14 NPT
6. Inlet – 3/8 OD
7. Suction – 5/8 OD
8. Equalizer – ¼ OD
9. 10,900 BTUH

HPTG-Russell DOE NEXT Gen Unit Cooler: **RL6A094DARE** or equal

**Specify Brand Bidding**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**The Contractor shall be responsible for furnishing a refrigerator/freezer trailer for the period of time it takes for work to be completed. Work is estimated to take two weeks.**

**General Notes/Terms:**

1. Warranty if applicable
2. Work shall be performed Monday-Friday from 7:00 am – 3:30 pm.
3. The Contractor’s representatives are subject to a search of their vehicles, possessions and persons. This is necessary to preclude the introduction of weapons, ammunition, explosives, cell phones, alcohol, escape devices, drugs and drug paraphernalia or other forbidden items or contraband into the prison environment. All searches of visitors will be conducted in accordance with Department Regulation No. C-02-005 and Penitentiary Directive No. 09.004 and 09.004A.
4. The Contractor’s representatives must follow all institutional policies and procedures while performing work on facility grounds.
5. The Contractor is subject to a conference/training with facility staff after the contract is executed and before performing any work