

CHAMBERS COUNTY BOARD OF EDUCATION

P O Box 408-D  
LaFayette, Al 36862  
Telephone (334) 864-9343 Valley Residents 586-2280

3/15/2011

INQUIRY NO: 428

To be returned no later than:  
11:00 AM CST  
Friday, April 1, 2011

Gentlemen:

Sealed bids will be received by Superintendent of Education in LaFayette, Alabama until the above time and date, and then opened as soon thereafter as practicable for furnishing the items listed below f.o.b. points shown: \_\_\_\_\_

1 Walk-in Freezer with Shelving  
1 Cooler refrigeration system

(AS PER SPECIFICATIONS)

A GUARANTY WILL BE REQUIRED WITH EACH BID AS FOLLOWS:  
FIVE (5) PERCENT OF THE AMOUNT BID, BUT IN NO EVENT MORE THAN \$10,000.00.

SPECIFICATIONS ON THE ATTACHMENTS TO THIS INQUIRY ARE A PART OF THIS BID REQUEST.  
ALL PRODUCTS BID MUST MEET OR EXCEED THOSE SPECIFIED.  
BIDDER WILL LIST ANY EXCEPTIONS TO SPECIFICATIONS

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CONTRACT WILL TERMINATE IMMEDIATELY AND ABSOLUTELY AT SUCH TIME AS APPROPRIATED AND OTHERWISE UNOBLIGATED FUNDS ARE NO LONGER AVAILABLE TO SATISFY THE OBLIGATIONS OF THE COUNTY UNDER TERMS OF BID.

WHENEVER ANY MATERIALS OR PIECE OF EQUIPMENT IS IDENTIFIED ON THE SPECIFICATIONS BY REFERENCE TO MANUFACTURE' NAMES, MODEL NUMBERS, ETC., IT IS INTENDED TO ESTABLISH A REQUIRED STANDARD OF DESIGN AND QUALITY, AND IS NOT INTENDED TO LIMIT COMPETITION. IT SHALL BE EXPRESSLY UNDERSTOOD THAT THE PHRASE "OR APPROVED EQUAL" IS HEREBY INSERTED FOLLOWING THE NAMING OF MANUFACTURERS FOR ANY MATERIAL OR EQUIPMENT, WHETHER SUCH PHRASE OCCURS IN THE SPECIFICATIONS OR NOT.

(See attachments)

If you are unable to furnish an item as specified and desire to offer a substitute, please give full description of the items offered as substitutes, otherwise your quotations will not be considered. If no exception is made on bid sheet, it will be assumed that the bidder is offering the articles specified. Bidders must indicate the brand or make of items they propose to furnish.

**AII BIDDERS MUST USE OUR BID FORM AND MUST SHOW ON FACE OF ENVELOPE CONTAINING BID, THE INQUIRY NUMBER AND OPENING DATE. FAILURE TO COMPLY WITH THIS MAY RESULT IN YOUR BID NOT BEING CONSIDERED.**

**Signature must be in ink. Bids made out in pencil will NOT be accepted.**

**Bid must be NOTARIZED.**

We reserve the right to accept or reject all Bids or any portion thereof.

**WARNING! !! No errors will be corrected after Bids are opened. No prices shall include State or Federal Excise Taxes. Tax exemption certificates furnished upon request.**

Chambers County Board Of Education  
LaFayette, Alabama

We are in position to furnish the above at the prices shown and can supply product within \_\_\_\_\_ days after receipt of order.  
I hereby affirm I have not been in any agreement or collusion among bidders or prospective bidders in restraint of freedom of competition, by agreement to bid at a fixed price or to refrain from bidding or otherwise.

**THIS BID MUST BE NOTARIZED.**

Sworn to and subscribed before me this

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

.....

Notary Public

Firm .....

By .....

Phone:.....

St Address .....

City .....

Terms.....

Date .....

**EQUIPMENT SPECIFICATIONS**

- 1- **Walk-in Freezer**
- 2- **Freezer Shelving**
- 3- **Cooler Refrigeration System**

See Attachment

**BID SHEET**

|                             |              |
|-----------------------------|--------------|
| 1 Walk-in Freezer           | \$ _____     |
| 1 Freezer Shelving          | \$ _____     |
| Cooler Refrigeration System | \$ _____     |
| <br>TOTAL BID               | <br>\$ _____ |

**Attachment:**

Project: Chambers County School

County: Chambers County Board of Education

Size: 13'6" X 23'1" X 8'6"

**General**

Walk-in Freezer provided under this portion of the specification shall be prefabricated, of the modular design and construction. They shall be designed to allow convenient and accurate field assembly and future enlargement by addition of panels. Any and all substitutions of equipment and material shall be submitted in writing for approval 10 working days prior to bid deadline. Written specifications and all applicable diagrams shall be part of the written request.

**Construction Plans and Instructions**

Each walk-in shall have a complete set of installation instructions and assembly drawings. All panels shall have panel identification corresponding with assembly drawings to facilitate rapid and accurate field assembly.

**Panel Construction**

Standard wall, ceiling and floor panels shall be nominal 2' and 4' width and shall be interchangeable with like panels. Standard height of walk-in shall be 8'6 1/4". Corner panels shall be 90-degree angles with actual 12" exterior horizontal measurements. Nominal 1' and 3' panels shall be used if required to meet jobsite conditions.

Each panel consists of inner and outer metal pans, be precision-formed on steel dies and be equipped with cam-action locking devices.

To insure exact alignment and maximum strength, corner panels shall be exact 90 degree angles with 1/4" interior radius and 1/2" exterior radius and measure 12" in each horizontal exterior dimension.

Door shall be mounted in panels either 46" or 69" wide. Insulation must be rigid, pour-type urethane, foamed-in-place with minimum of 4" thickness. Locking devices shall be no more than 46" apart.

Floor panels shall be similar to other panels and shall be made to withstand evenly distributed floor loads, when panel is fully supported.

All panels shall be connected one to another by placing the foamed tongue groove of the adjoining panels, before actuating the cam-action locking devise. The cam-action locking devices are actuated from inside the walk-in to permit assembly against a wall or inside a room with close tolerances.

Press-fit plug buttons shall be provided to seal wrench holes after assembly is complete. A locking wrench shall be supplied as part of the walk-in.

Construction shall be as approved by the National Sanitation Foundation and shall bear the NSF seal of approval affixed to the exterior of a door panel.

**Walk-ins shall be compliant with new federal walk-in energy standards.**

### **Floor Construction**

Floor shall be foamed in place 1/8" Tread Plate Aluminum and fabricated similar to other panels, designed to readily withstand uniformly distributed loads. Floor shall be reinforced by the integral inclusion of heavy marine plywood foamed-in-place in direct contact with the underside of sub-floor. Foam shall adhere directly to the underside of sub-floor in such a manner as to form a unitized panel. All edges and corners to be coved in accordance with NSF standard 7 and completely foamed in place. All joints shall be sealed with PVC bubble gasketing to be foamed in place and not glued or stapled. Interior ramp at each door section.

### **Metal Finishes**

Panel skins, standard models, standard and optional metal finishes are as follows: A. Exterior ceilings shall be galvalume. Exterior floor shall be 26 gauge chem. Treated embossed Glavalume

B. Exterior walls shall be:

1. 26 Gauge Stucco White Galvalume with 1/8" tread plate 36" high on exposed front

C. Interior walls and ceilings shall be:

1. .032 Stucco Aluminum walls
2. .032 White Stucco Aluminum ceiling

### Insulation

Standard insulation shall be 4" thick rigid pour-type urethane. Insulation shall also be foamed-in-place using HCFC blowing agent, with a tenacious bond to inner and outer metal pans. The "K" factor (thermal conductivity) shall be no more than .120 B.T.U. per hour, per square foot, per inch thickness, per degree Fahrenheit. The "U" factor (overall coefficient of heat transfer) shall not exceed .030 for 4" panels. Insulation shall be 97% closed cell to prevent moisture absorption. The "R" factor (insulation efficiency rating) shall be 33.33 for 4" panels.

### Ratings and Independent Testing

All panels must meet the following test:

- \*For Structural Strength

- \*ASTM E84-94A, ASTM E711-87 (1992), ASTM D1929-91A, ASTM D482-91, ASTM D1622-93

- \*NSF Listed

- \*UL and C-UL listed doors

- \*Factory Mutual FM-4880 class 1 (steel finish only)

- \*Dade County, Florida acceptance #00-1114.12

- \*Toxicity Evaluated

- \*Walk-in as a whole UL listed.**

Reports available on request.

### Hinged Walk-in Doors

Each walk-in shall be fitted with one standard 36" X 78" swing type entrance door, located as shown on the plan. The door shall be flush type, finished in and out to match the walls in which located. Door and door handle shall be listed by Underwriters Laboratories and equipped with the following:

- a. Door shall be flush-mounted, infitting type with door panel construction the same as for other panels. Insulation shall be same thickness and type as used in other panels.

- b. Infitting door frame construction shall consist, Z-shaped structural inner frame with a full length 1/4" thick steel hinge backing plate. In addition, infitting door shall consist of 1/4" thick steel hinge backing plate welded to the hinge side of the heavy-gauge steel

frame at hinge location. Backing shall be precision-drilled and tapped to accept hinge butt-mounting screws. Hinge shall be field adjustable.

c. Infitting door shall be provided with adjustable hinge backup plates for each hinge. Backup plates shall be foamed-in-place behind the door leaf casing metal and shall consist of a minimum 14 gauge enclosure. Adjustable hinges backing plates shall be precision-drilled and tapped to accept hinge blade mounting screws and shall be designed to provide in-field adjustment of door hinges without removal of hinges or door from frame.

d. On all walk-in freezers, infitting door jamb shall be provided with thermoplastic, magnetic steel core gasket across top and along both sides of door. Bottom of door shall be fitted with adjustable, double vinyl wiper gasket. Gasket shall be water, oil, sunlight and fat resistant. When door is in closed position, the magnetic gasket shall form a positive airtight seal. Door gasket shall be easily replaceable.

e. On all walk-in freezers, infitting door jamb shall be provided with a thermostatically-controlled warmer cable around entire perimeter of opening. This warmer cable shall provide sufficient heat to prevent condensate or frost formation. **NL9800 Deadbolt Locking Handle.** Bright polished chrome finishes with deadbolt that can be independently locked with either key or padlock. Locking mechanism with inside release knob is mounted on the frame side of the door opening and includes no moving parts through frame. Mechanism has no exposed fasteners to give maximum tamper resistance. Locked door cannot be opened even if handle is removed from door.

f. Infitting door shall be equipped with contemporary design, heavy-duty pull handle. Pull handle shall have a cylinder lock built into the handle. (When specified, a positive, snap-action latch with adjustable strike is available. A cylinder lock in this latch is available when specified.) Both latches shall be provided with inside safety release to prevent accidental or malicious entrapment in walk-in. Latches shall have brushed finish.

g. Infitting door shall be equipped with heavy-duty, spring-loaded hinges. Hinges shall have cam-lift nylon bearings mounted on heavy stainless steel pins. Door hinges shall have positive "hold-open" feature allowing door to remain open unaided, when opened to 180 degrees position. Hinges shall have a brushed finish.

h. 36" X 78" doors shall be provided with heavy-duty door closure in addition to spring-loaded hinges. Third hinges for each door shall be provided.

i. Each infitting door panel shall be equipped with a vapor proof light fixture connected to a toggle switch and pilot light located on the exterior of the panel.

j. All infitting doors and frames shall have UL listings.

- k. A 3" diameter dial thermometer with 2 1/2" face shall be provided mounted on the door panel exterior. Thermometer shall be complete with minimum 50" capillary tube with sensor and minimum temperature range from -40 degrees to 60 degrees F.
- l. A pressure relief port shall be provided to equalize atmospheric inside and outside walk-in caused by temperature change due to product loading, door opening and defrost cycles. Relief port shall be provided with 115/60/1 AC heater elements to prevent freezing.
- m. 1/8" Treadplate kickplate on interior and exterior of doors and frames.
- n. Trim and to seal walk-in to building and/or other openings and finish roof cap installation.
- o. Six additional fluorescent lights for walk-in cooler.
- p. Curtron Polar Pro Swing door, 36" X 78" anti-curl strip door, impact plates 36" high with double compression springs provided for each door.
- r. Walk-in, not just components, must be UL listed.
- s. Special location for heated air vent on door frame.
- t. Tread plate corner guards for 3 corners to be included.
- u. 6" tread plate band around the bottom of the walk-in.

#### **Flat Membrane Roof Cap with flashing**

A single-ply membrane roof cap shall be supplied to provide a waterproof covering of the ceiling panels. Membrane material shall be reflective color and shall be provided in one complete roll designed for exact walk-in roof surface desired. No welding or seams required.

#### **Refrigeration**

Master - Bilt Model:

Freezer: (2) MHLZ0091C-----208/230/60/3

Cooler: MHHZ0171C -----208/230/60/3 (Extra system for existing box)

Note: Verify the voltage and phase.

Remote refrigeration systems MC shall consist of a pre-packaged, heavy-duty remote condensing unit in conjunction with a generously-sized, 120 degree F-rated condenser with low T.D. Condenser shall be copper tubing and aluminum fin type with heavy-duty, double-bearing fan motors. Condensing unit shall be assembled on a galvanized steel base with a generously-sized receiver (for ample pump-down capacity of up to 100 foot maximum runs). Unit shall also have 1 1/2" high galvanized steel angle legs and a mechanically-fastened galvanized steel weather hood. Freezer system should be R-404A. Units shall be hermetic type.

Factory pre-piping on units shall consist of pre-installed and tested liquid and suction line kits. These kits consist of a liquid line drier and sight glass, a shut-off valve and a heavy-duty compressor with Rotalock suction service valve. Piping shall extend to the edge of the unit base and be pre-tested to that point, requiring only piping between condensing unit and evaporator, evacuation and charging.

On factory pre-wired units, wiring shall consist of all operating controls ( including fan, compressor and defrost timer) pre-wired, installed and pre-set fan-cycling switch, crankcase heater, pre-wired electrical control panel with pre-mounted and wired defrost timer ( as applicable on all temperature ranges) and pre-set high and low pressure controls.

Standard components (shipped loose for field mounting and wiring) shall include liquid line solenoid valve.

Condensing unit shall be supplied with one (1) year parts and extended four (4) year compressor warranty.

Unit shall be listed by Underwriters Laboratories.

There shall be a matching evaporator's assembly properly sized for the specific room temperature and ready for rapid field installation.

Evaporator assembly requires only installation of room thermostat and expansion valve, connection of liquid and suction line piping and connection of wiring to labeled and pre-wired terminal blocks to be operational. Evaporator shall be listed by Underwriters Laboratories.

Master - Bilt limited panel Warranty (10 years) Master-Bilt Refrigeration Compressor Warranty 5 year



## Responsibilities for Chambers County School:

### Chambers County

Construct new 14' x 24' concrete slab with recess of  $\frac{3}{4}$ ". Provide 3 new disconnects with power, 2 for freezer unit and 1 for new cooler unit. Cut new masonry opening in the building wall 48" X 85" finished opening. After walk-in has been installed, finish out opening with #304 20 Gauge Stainless Steel.

NOTE: If school board decides on bricking or fencing around walk-in, concrete slab may need to be larger.

### Installers

All walk-in, roof cap, trim work (outside of walk-in), refrigeration, drain lines, shelving installation and final electrical shall be provided by Master-bilt. Successful bidder will be responsible for coordination of the delivery time of walk-in and shelving with Chambers County Board of Education.

**CHAMBERS COUNTY SCHOOLS****WALK-IN FREEZER SHELVING****ADVANCE TABCO GREEN EPOXY SHELVES.**

Shelving shall be of the type supplied by Advance Tabco Foodservice and known as Advance Green Epoxy Shelving. The shelving shall be finished with Chrome plating and corrosion resistant baked polyester/**GREEN** epoxy polymer top coat.

A shelving unit shall be able to be assembled without tools. When the plastic **Tapered Split Sleeves** corner insert is secured to the round post and the shelf is lowered into place. The two piece molded plastic **Tapered Split Sleeve** shall be of a two piece design with 2 internal ridges that fit securely into 2 of the post grooves.

Shelving shall incorporate multiple trusses running lengthwise in addition to a truss on each end of the shelf. This design shall provide for a rigid framework to minimize deflection under load and to allow for uniform weight loading of up to 1250 lbs. per shelf. Each shelf shall be a **minimum of three (3)** trusses running the length of the shelf. The trusses shall be of a serpentine design. The shelf deck shall have a raised edge on all 4 sides a minimum of .200" high. Running the length of the shelf shall be 2 die formed marine edges. Each shelf shall have ribs of 9 ga. wire on 1" centers running front to back. Perpendicular to these 9ga. ribs there are additional support rods of 4 ga. wire running the length of the shelf.

**POSTS:**

Posts shall be of 1" round tubing with .065" thick wells made of plating quality steel with a corrosion resistant baked polyester/**GREEN** epoxy polymer top coat. Posts will have grooves spaced 1" apart with embossed numbers. Each posts shall have a plastic top cap and adjustable metal foot.

**DUNNAGE RACKS:**

Dunnage Racks shall be All Aluminum Welded Tube Design.

**ISLE RUNNER MATS:**

Isle Runner Mat to be **Cactus Mat Company Model 1631V**. Mat to be a special Nitrite rubber compound resistant to oils, grease, acid, and animal fats. Mats are designed with flexible "V" shaped Cross-Ribs. Edges are beveled to prevent tripping. Surfaces are reversible with either the "V" or "Knob Side" up.

**PROVIDE THE FOLLOWING SIZES:****FREEZER:**

2 DUN-2460 24"X60" WELDED ALUMINUM DUNNAGE RACK

8 EG-24X42 GREEN EPOXY SHELVES

8 EG-21X42 GREEN EPOXY SHELVES

8 EG-21X48 GREEN EPOXY SHELVES

8 EG-21X54 GREEN EPOXY SHELVES

16 EG-24X48 GREEN EPOXY SHELVES

12 EG-24X54 GREEN EPOXY SHELVES

60 EGP-74 74" GREEN EPOXY POSTS

1 CACTUS MAT 36X92 MAT

1 CACTUS MAT 36X96 MAT

1 CACTUS MAT 36X84 MAT

2 CACTUS MAT 36X108 MATS