

Monroe County Board of Education

109 Pickens Street • Monroeville, Alabama 36460-1915
Telephone 251-743-2150 • Fax 251-575-9353
Website www.monroe.k12.al.us

Gregory L. Shehan
Superintendent

March 14, 2018

PUBLIC ANNOUNCEMENT:

MCBOE WEBSITE
MCBOE FACEBOOK
MCBOE CENTRAL OFFICE BULLETIN BOARD

The Monroe County Board of Education will receive sealed bids for the **Walk-In Cooler/Freezer** for Monroeville Middle School until 1:50 p.m. on April 4, 2018 on the enclosed bid proposal. Bids received after 1:50 p.m. will be returned unopened.

Please enter the following information on the outside of the envelope:

**Bid #1146 – MMS Walk-In Cooler/Freezer
TO BE OPENED April 4, 2018 at 2:00 p.m.**

A Pre-Bid Conference will be held on Wednesday, March 28 at 1:30 p.m. at Monroeville Middle School, 201 York Street, Monroeville, AL 36460. A company representative must be present before 1:35 in order to participate in this bid.

The Monroe County Board of Education reserves the right to reject any or all bids.

Sincerely,

A handwritten signature in black ink, appearing to read "Greg Shehan".

Greg Shehan
Superintendent of Education

cc: Julie Autrey, CNP Director
Cassandra Dowdell, CSFO

Tony Powell
426 Powell Road
Uriah, AL 36480

Barbara Turner
251 Blue Ridge Drive
Monroeville, AL 36460

Roger Casey
1420 Beulah Campground Road
Repton, AL 36475

Patricia M. Black
116 Morebriar Road
Monroeville, AL 36460

Sabrina Kidd
285 Tower Road
Monroeville, AL 36460

BID # 1146
MONROE COUNTY BOARD OF EDUCATION
109 Pickens Street, Monroeville, Alabama 36460
(251) 575-2168

March 14, 2018
(Date of Invitation to Bid)

TO: PUBLIC ANNOUNCEMENT: Bid to be opened at:
MCBOE WEBSITE Central Office Complex
MCBOE FACEBOOK 109 Pickens Street
MCBOE CENTRAL OFFICE BULLETIN BOARD Monroeville, AL 36460

On: April 4, 2018
Time: 2:00 p.m.

-
- Sealed bids will be received by the Monroe County Board of Education until the above opening time and will be awarded as soon thereafter as practicable on the items given.
 - Envelope containing the sealed bid must show on the outside:
 - **“SEALED BID #1142 – “MMS WALK-IN COOLER/FREEZER”**
 - **TO BE OPENED 04/04/18 at 2:00 p.m.**
 - The envelope is to be addressed to the Monroe County Board of Education CNP with the following included:
 - Bids must be submitted on the proposal forms.
 - Prices must be given in quantities as requested.
 - Bidder must SIGN in INK the AGREEMENT accompanying the bid.
 - Provide E-Verify documentation
 - Provide a 5% bid bond for Bids totaling \$10,000.00 or more
 - Provide original and two copies of the bid.
 - Return Signed Non-Collusion Affidavit (**attached**)
 - Return Signed Certification Regarding Debarment, Suspension and other Responsibility Matters.
 - SBA Form 1623 (10-88) (**attached**)
 - Bids must be exactly as specified and should include pictures, specs, product name & warranty, or must show a full description of each item accompanied with pictures and specifications.
 - It will be the responsibility of the bidder to furnish with his bid a list and clarification of deviation from these specifications written or implied, in order that a fair and proper evaluation be made. Those bidders not submitting a list of deviations will be presumed to have bid as specified.
 - All bids must be firm.
 - Prices shall be F.O.B. to delivery site.
 - 2 CFR 200.320 (C) (2) (iv) A firm fixed price contract award will be made in writing to the lowest responsive and responsible bidder. Where specified in bidding documents, factors such as discounts, transportation cost, and life cycle costs must be considered in determining which bid is lowest. Payment discounts will only be used to determine the low bid when prior experience indicates that such discounts are usually taken advantage of; and
 - 2 CFR 200.320 (C) (2) (v) Any or all bids may be rejected if there is a sound documented reason.
 - Bid will be awarded to the lowest responsible bidder meeting specifications.
 - In case of error, unit price will prevail.
 - No prices shall include state or federal taxes.
 - Payment to be made only when order or contract is complete.
 - Records showing successful bidder(s) and prices quoted will be placed on file and may be examined upon request. If the contract is awarded to someone other than the lowest bidder, a note of explanation will appear in the bid file.
 - **A Pre-Bid Conference will be held on Wednesday, March 28, 2018 at 1:30 at Monroeville Middle School. A company representative must be present before 1:35 in order to participate in this bid.**
 - **Nondiscrimination Statement**

In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, sex, disability, age, or reprisal or retaliation for prior civil rights activity in any program or activity conducted or funded by USDA. Persons with disabilities who require alternative means of communication for program information (e.g. Braille, large print, audiotape, American Sign Language, etc.), should contact the Agency (State or local) where they applied for benefits. Individuals who are deaf, hard of hearing or have speech disabilities may contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.

To file a program complaint of discrimination, complete the USDA Program Discrimination Complaint Form, (AD-3027) found online at: http://www.ascr.usda.gov/complaint_filing_cust.html, and at any USDA office, or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992. Submit your completed form or letter to USDA by:

 - (1) mail: U.S. Department of Agriculture
Office of the Assistant Secretary for Civil Rights
1400 Independence Avenue, SW
Washington, D.C. 20250-9410;
 - (2) fax: (202) 690-7442; or
 - (3) email: program.intake@usda.gov.

This institution is an equal opportunity provider.

- MONROE COUNTY BOARD OF EDUCATION RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS.

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Items and specifications or brief description: SEE ATTACHED ITEMS AND SPECIFICATIONS
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PER UNIT BID PRICE: \$ _____

Please contact Paul Dean regarding specifications (251) 714-0530 or Julie Autrey concerning bidding (251) 743-6006.
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AGREEMENT OF BIDDER:

We are in a position to furnish the specified items at the price shown and can:

- (a) make delivery within _____ days after receipt of order; or
- (b) complete the work by (date) _____, allowing for inclement of weather.

We guarantee that this bid meets or exceeds specifications.

Any attachment hereto is made and becomes a part of this agreement.

We hereby affirm that we have not been in any agreement or collusion among bidders in restraint of freedom of competition, by agreement to bid as a fixed price, to refrain from bidding, or otherwise. We agree to abide by the guidelines as stated in this invitation.

Signature in ink of authorized person

Name of Firm

Address

Telephone #



**Certification Regarding
Debarment, Suspension, and Other Responsibility Matters
Primary Covered Transactions**

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 13 CFR Part 145. The regulations were published as Part VII of the May 26, 1988 *Federal Register* (pages 19160-19211). Copies of the regulations are available from local offices of the U.S. Small Business Administration.

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS ON REVERSE)

- (1) The prospective primary participant certifies to the best of its knowledge and belief that it and its principals:
- (a) Are not presently debarred, suspended, proposed for disbarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective primary participant shall attach an explanation to this proposal.

Business Name _____

Date _____

By _____
Name and Title of Authorized Representative

Signature of Authorized Representative

INSTRUCTIONS FOR CERTIFICATION

1. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.
4. The prospective primary participant shall provide immediate written notice to the department or agency to which this proposal is submitted if at any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is submitted for assistance in obtaining a copy of those regulations (13 CFR Part 145).
6. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.
7. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion—Lower Tier Covered Transactions," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the ineligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

Specifications for:

Project: Master-Bilt Walk-in Cooler Freezer Combination or *Pre-Approved Equal*
Location: Monroeville Middle School
Monroe County Board of Education

Size: 8'8 1/2" X 26'11" X 8'6"

Cooler inside dimension: 8'-1/2" x 11'-1/2"

Freezer: inside dimension: 8'-1/2" x 14'-8-1/2"

General

Walk-in Cooler/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 devises.

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 covered 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.

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 Galvalume

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. 26 Gauge Stucco White Galvalume

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.**

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. Provide 6" high treadplate trim for the exterior sides and rear at the bottom of the exterior walls.

p. **Six (6)** LED technology assures sustainable energy savings over the life of the fixture. Four-foot, vapor proof, fixture is supplied complete with low energy LED lamps. The 1810L fixture accepts only LED lamps to assure sustained energy savings. Optimum design 67 lumen/watt provides maximum light output with the longest life for the lowest total cost of ownership. Specifically designed for wet and low temperature environments. Operating temperature range from -40 degrees F to 110 degrees F (-40 C to 43 C). Luminaire meets IP-65 for wet and cold applications. Lamps are mercury-free and UL listed for wet locations. Lights shall have an unbreakable polycarbonate enclosures, 2-lamp, 36W total, 120VAC, 0.31 amps. 2400 lumens output total for each fixture. 67 lumens/watt - exceeds Federal Energy Act requirement. Lamps are built UL listed, RoHS compliant, rated at 50,000 hour life and with bright 5000K color temperature.

q. Walk-in, not just components, must be UL listed.

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. Roof cap shall be equipped with 26 Gauge White Galvalume roof cap trim (12pcs) 2" X 6" X 96".

REFRIGERATION EQUIPMENT

1. Master-Bilt MS Series Refrigeration Systems *or Pre-Approved Equal*

Cooler: One (1) MHMD010AC 1-HP System with one (1) E1MD0085A-TA2 Evaporator Coil.

Freezer: Two (2) MSLD020AC 2-HP Systems each with one (1) E1LD0076B Evaporator Coil.

Note: Verify Voltage and Phase when system is ordered.

2. Condensing units shall be air cooled, Hermetic for the Cooler and Scroll type for the freezer each with R-448A/R-449A refrigerant. Remote refrigeration systems MS 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.

3. Condensing units shall be factory assembled and U.L. listed. Evaporators shall be forced air type. Air discharge shall be parallel to the walk-in ceiling. Fan motors, guards, multi-fin and tube-type coil, shall be housed in heavy gauge aluminum housing. Unit shall have drain pan with suitable drain pipe connection. The evaporators shall have an automatic defrost system including heaters, time clock, fan delay control, and heated drain pan. Defrost shall be time initiated and temperature terminated with built-in fail-safe control. All evaporators shall be U.L. listed.

4. These basic components shall be supplied by Dealer/Manufacturer on the following system:

a. Parts include condensing unit, evaporator, control, expansion valve, dryer, sight glass, vibration eliminator, and evaporator mounting kit. Pump-down cycle kit - includes temperature control and liquid line solenoid valve. Extreme low ambient kit - includes low pressure control, temperature control, and solenoid valve for pumpdown, crankcase heater, head master control and rainproof housing with hinged Aluminum Covers. All parts shall be factory mounted.

5. All refrigeration systems shall be factory assembled and tested in accordance with best commercial procedures. Good commercial start-up and check-out procedures shall be used by a qualified refrigeration contractor. All components shall have a one (1) year factory warranty. Refrigeration systems are designed for 35F and a -10F, and sized for 100F temperature at the condenser.

6. The refrigeration systems are to be located on a concrete pad located on the left side of the walk-in box. Each refrigeration will be mounted on a Master-Bilt refrigeration rack, or Pre-Approved Equal.

7. All exposed refrigeration lines and drain lines on the box exterior are to be covered with a matching galvalume hat channel. Drains shall be trapped outside the walk-in. All plumbing to be in accordance with local codes.

Unit shall be listed by Underwriters Laboratories.

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

REFRIGERATION ACCESSORIES.

These items shall be used with systems listed above, where required by job conditions.

1. Pump-down cycle kit - includes temperature control and liquid line solenoid valve.
2. Extreme low ambient kit - includes low pressure control, temperature control, solenoid valve for pumpdown, crankcase heater, head master control and rainproof housing.

Unit shall be listed by Underwriters Laboratories.

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

Walk-in box will carry a one (1) year parts and labor warranty.

Unit shall be listed by Underwriters Laboratories.

PANEL LIMITED WARRANTY

Master-Bilt limited panel Warranty (10 years) Master-Bilt Refrigeration Compressor Warranty (5 years). *or Pre-Approved Equal with same warranty.*

WALK-IN COOLER/FREEZER SHELVING ADVANCE TABCO GREEN EPOXY SHELVES. or Pre-Approved Equal

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 walls 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 post shall have a plastic top cap and adjustable metal foot.

DUNNAGE RACKS:

Dunnage racks to be all welded aluminum design.

ISLE RUNNER MATS:

Isle Runner Mat to be Cactus Mat Company Model 1631 *or Pre-Approved Equal*. 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:

COOLER:

3 EG-24X54 GREEN EPOXY SHELVES
11 EG-24X48 GREEN EPOXY SHELVES
16 EGP-74 74" GREEN EPOXY POSTS
1 CACTUS MAT 36" X 60" MAT
1 CACTUS MAT 36" X 72" MAT

FREEZER

2 DUN-2460 24"X 60" WELDED ALUMINUM DUNNAGE RACKS
4 EG-24X48 GREEN EPOXY SHELVES
7 EG-24X54 GREEN EPOXY SHELVES
8 EG-24X60 GREEN EPOXY SHELVES
20 EGP-74 74" GREEN EPOXY POSTS
2 CACTUS MAT 36" X 72" MATS

WALK-IN FREEZER INSTALLATION
SCOPE OF WORK

Dealer/Installer Contractor:

1. Disassemble the existing walk-in box and remove from the school location.
2. Provide a complete installation of the Walk-In Cooler and Freezer as described in the above specifications.
3. Meet with the factory representative and approve the walk-in drawings and verify the required voltage.
4. Coordinate with the Monroe County Schools for the delivery of the specified walk-in, refrigeration systems, shelving, and required installation work.
5. Meet the delivery truck and off load the walk-in panels and refrigeration systems.
6. Construct the box, mount and pipe the refrigeration systems. All refrigeration lines and drain lines exposed on the exterior of the box are to be covered with a hat channel constructed of matching white galvalume material.
7. Attached the membrane roof, flash to the school building, mount the metal edge trim provided with the box.
8. Provide all electrical wiring and connections to the box, refrigeration systems and lights from the disconnect boxes provided as part of the electrical work done by the school system.
9. Mount all angle trim where the walk-in butts to the exterior of the building and around the interior of the door opening.
10. Mount and wire the LED light fixtures.
11. Wipe down the walk-in box and remove all panel labels.
12. Install all shelving and mats per the layout.
13. Remove all construction waste from the job site.
14. Leave a complete set of installation instructions and construction drawings with the Monroe County Schools.

Monroe County Schools:

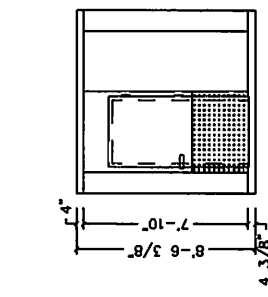
1. Provide access to the building for all work to be done.
2. Remove the existing food and transfer to the temporary cooler and freezer storage spaces.
3. Remove and relocate the existing storage building located in the area of the new walk in cooler freezer.
4. Provide a new concrete pad and foundation per the attached sketch. The new section is to be level with the existing pad.
5. Close in a louvered vent in the dry storage room wall.
6. Provide all electrical wiring from the electrical panels to disconnect boxes located within 6' of the new walk-in box and refrigeration systems.

REFRIGERATION:
 MSDD02AC: 208-230/60/3 2HP
 L: 43 W: 15 H: 16 WT: 52#
 REFRIGERANT LINE CONNECTIONS (in):
 LIQUID: 3/8 SUCTION: 7/8
 CONDENSER DIMENSIONS (in):
 L: 36 W: 27 H: 16 BASE: M2 WT: 240#

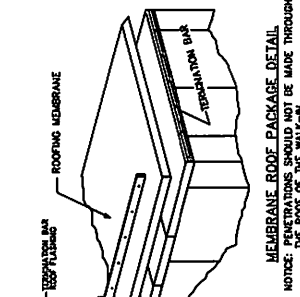
MHMD010AC: 208-230/60/3 1HP
 L: 43 W: 15 H: 16 WT: 49#
 REFRIGERANT LINE CONNECTIONS (in):
 LIQUID: 3/8 SUCTION: 7/8
 CONDENSER DIMENSIONS (in):
 L: 22 W: 27 H: 16 BASE: M1 WT: 180#

ELMD00769-TE2: 208-230/60/1
 REFRIGERANT: R-448A/R-449A
 EVAPORATOR DIMENSIONS (in):
 L: 43 W: 15 H: 16 WT: 52#
 FAN MOTOR AMPS: 1 TD: 10
 DEFROST HTR AMPS: 9.8

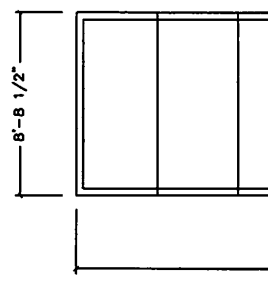
ELMD0085A-TA2: 115/60/1
 REFRIGERANT: R-448A/R-449A
 EVAPORATOR DIMENSIONS (in):
 L: 43 W: 15 H: 16 WT: 52#
 FAN MOTOR AMPS: 1.9 TD: 10



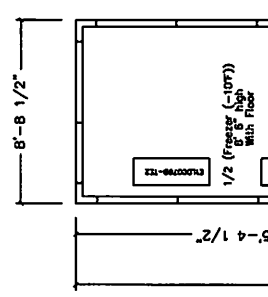
SOUTH WALL ELEVATION



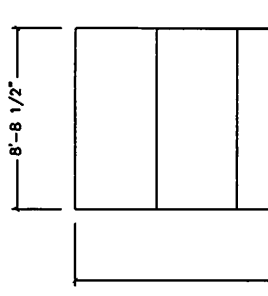
MEMBRANE ROOF PACKAGE DETAIL
 NOTICE: PENETRATIONS SHOULD NOT BE MADE THROUGH THE ROOF OF THE WALK-IN.



FLOOR PANEL PLAN



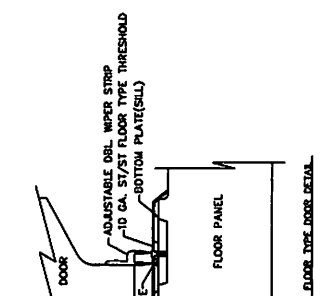
WALL PANEL PLAN



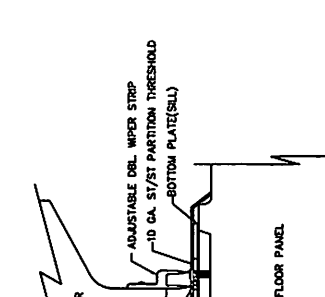
ROOF PANEL PLAN

- ACCESSORIES:**
- (6) SET OF (2) LED LIGHT FIXTURE FOR WALK-INS, 48"
 - (1) SET OF (2) 1/2" x 1/2" x 1/2" STUCCO ANGLE TRIM STRIPS
 - (1) SET OF (2) 6" x 26 GA. WHITE STUCCO GALV.
 - (1) SET OF (2) 6" x 323" FLAT TRIM STRIPS, 1/8" DIA/ALUM
 - (1) SET OF (2) 6" x 323" FLAT TRIM STRIPS, 1/8" DIA/ALUM
 - (1) 3" PRESSURE RELIEF PORT
 - (2) COMBO LIGHT SWITCH/THERMOMETER
 - (2) 14W LED LIGHT FIXTURE
 - (2) K-1095 DOOR CLOSURE
 - (2) 36" HIGH 1/8" DIA/ALUM KICKPLATE
 - (2) BOTH SIDES OF DOOR/FRAME
 - (2) HEAVY-DUTY 10 GA. ST/ST THRESHOLD
 - (3) HINGES PER DOOR W/MB ADJ-BRUIPS
 - (1) MEMBRANE ROOF PACKAGE

- REFRIGERATION UNITS:**
- MSDD02AC
 - MHMD010AC
 - ELMD00769-TE2
 - ELMD0085A-TA2



FLOOR TYPE DOOR DETAIL



FLOOR TYPE DOOR DETAIL @ PARTITION

NOT FOR CONSTRUCTION!
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 _____ (COMPANY NAME & DATE)

WHEN FACING THE INTERIOR OF THE WALL PANEL, ALL VERTICAL LATCH ACCESS HOLES SHOULD BE ON THE LEFT SIDE OF THE PANEL.

MASTER-BILT Refrigeration Solutions	
DWG NO:	MOUNDVILLE MIDDLE SCHOOL
AP-1922	
PG NO:	REF: MNDREVILLE MIDDLE SCHOOL
1 of 1	QUOTE# MB18551303B-B
DATE: 03/09/2018	SCALE: 3/16"=1'

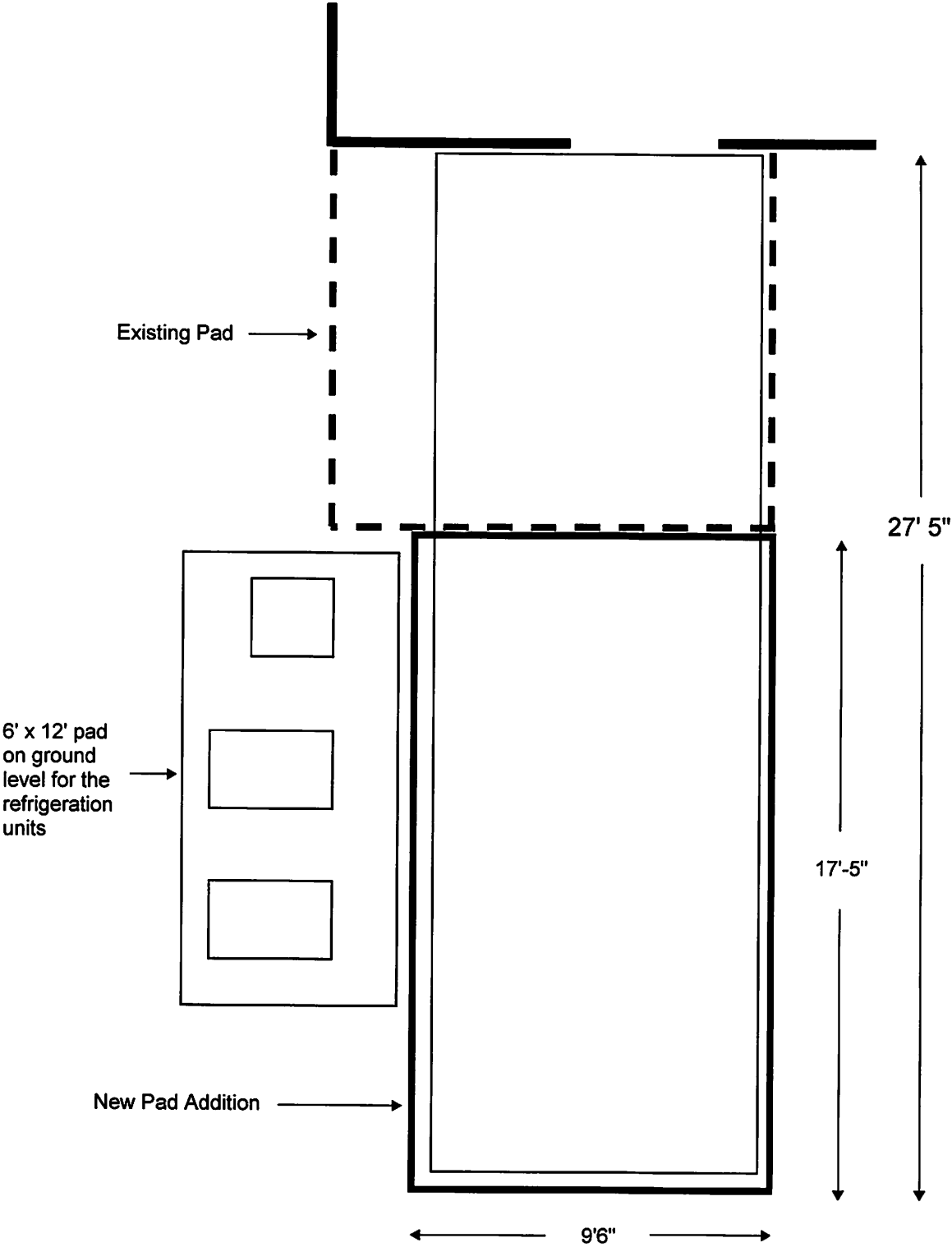
FACTORY MUTUAL RESEARCH TESTED	REFRIGERATION UNITS	SPECIFICATIONS
Use these Form Tested Per ASTM E84-03 Test Method for Surface Burning Characteristics of Solid Materials (21-58 kg/m ³) Core Factor: 0.00	MSDD02AC	4" URETHANE FOAM
FM APPROVALS PROJECT ID: 9092612	MHMD010AC	SIZE W8-6.5 L:28-11" H:8'-6"
SMOKE DENSITY 400	ELMD00769-TE2	DOOR OPNG:(2)36" x 78"
	ELMD0085A-TA2	INT. W:26 GA. WHITE STUCCO GALV.
		FIN: F:178" DIAMOND ALUMINUM
		EXT. W:26 GA. WHITE STUCCO GALV.
		FIN: F:26 GA. WHITE STUCCO GALV.
		ROOF LOAD = ** PSF (MAX. LL + DL)

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N. S. F. LISTED CONSTRUCTION

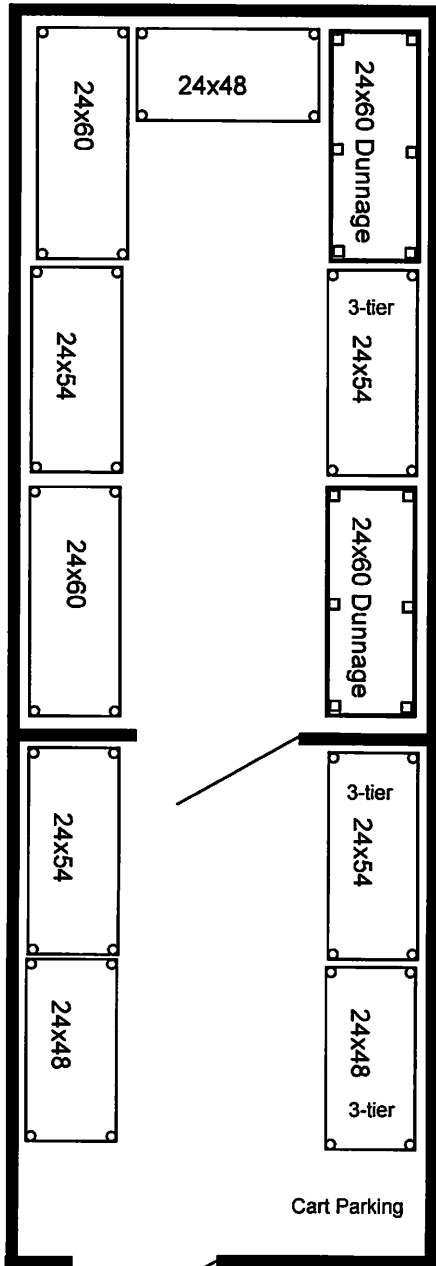
NOTE: ALLOW 1 INCH MINIMUM CONSTRUCTION CLEARANCE ALL AROUND WALK-IN.
 ALLOW 2 INCH MINIMUM CONSTRUCTION CLEARANCE ABOVE WALK-IN.

MONROE MIDDLE SCHOOL
Walk-In Cooler/Freezer Layout



MONROEVILLE MIDDLE SCHOOL

Walk-In Cooler/Freezer Shelving



PROVIDE THE FOLLOWING SIZES:

COOLER:

- 3 EG-24X54 GREEN EPOXY SHELVES
- 11 EG-24X48 GREEN EPOXY SHELVES
- 16 EGP-74 74" GREEN EPOXY POSTS
- 1 CACTUS MAT 36" X 60" MAT
- 1 CACTUS MAT 36" X 72" MAT

FREEZER

- 2 DUN-2460 24"X 60" WELDED ALUMINUM DUNNAGE RACKS
- 4 EG-24X48 GREEN EPOXY SHELVES
- 7 EG-24X54 GREEN EPOXY SHELVES
- 8 EG-24X60 GREEN EPOXY SHELVES
- 20 EGP-74 74" GREEN EPOXY POSTS
- 2 CACTUS MAT 36" X 72" MATS