

Office of Purchasing 10910 Clarksville Pike Ellicott City, Maryland 21042-6198 (410) 313-6723, fax (410) 313-6789

INVITATION TO BID

WALK-IN COOLER FREEZER BID #052.23.B6

To All Interested Bidders:

Re: NOTICE TO BIDDERS

Bid #052.23.B6, Walk-In Coolers/Freezers

The Howard County Public School System requests your bid for two (2) Walk-in Coolers/Freezer to include; Cooler Refrigeration System, Freezer Refrigeration System, Mobile Dunnage Rack, and Mobile Shelving for each to be utilized by the Food and Nutritional Service department at Oakland High School and Centennial High School.

The awarded contractor shall furnish, deliver, unpack, assemble, install and set in place the specified equipment. All hardware and components necessary to operate equipment must be provided. The contractor shall provide all labor, materials and equipment to disconnect the existing specified units and install new units as specified in these documents. Removal and disposal of equipment is the responsibility of the contractor.

Bid documents may be obtained on **Monday, December 5, 2022** at the Howard County Department of Education, Purchasing Office website, https://purchasing.hcpss.org/business-opportunities.

Bids shall be submitted electronically via email in their entirety (all pages) in PDF format no later than Tuesday, December 20, 2022 at 11:00 A.M. to Bids that contain either more than one file, or files larger than 75MB, shall be inserted into an e-folder and compressed in a .zip file. To ensure delivery, if file size cumulatively exceed 75MB, it is recommended that bidders submit separate emails labeled No.1, No.2, etc. Please do NOT forward or e-mail your submitted Bid proposal to any other address other than to BidsandProposals@hcpss.org.

Email subject lines, Folder names and File names shall include: "Bid Number, 052.23.B6 and Company Name". In the body of the email please include Bidder's contact person's email and cell phone number for contacting purposes if/when necessary.

It is the bidder's sole responsibility to regularly visit the HCPSS Purchasing web site listed above to download and acknowledge receipt of all Addenda. It is highly recommended that bidders ascertain if they have received all the addenda issued prior to submitting their proposal. Failure of any bidder to receive any such Addenda or interpretation may not relieve such bidder from obligation under his/her proposal as submitted.

All questions shall be directed, in writing, no later than 12:00 P.M., Friday, December 9, 2022 to Afua

Tisdale, Procurement Specialist, <u>afua_tisdale@hcpss.org</u>. The Howard County Public School System is under no obligation to respond to any questions that are received after the cutoff date and time. Only answers provided via addenda issued by the HCPSS will be binding. Under no circumstances are bidders, including third party vendors or their staff, to contact any other HCPSS Staff, employees or any related constituency for purposes associated with this solicitation, including but not limited to, obtaining or providing information. **Bidders failing to comply with this requirement may be disqualified.**

The Board reserves the right to waive any informalities in, or to reject any or all bids.

Howard County Public School System shall not be responsible for errors or omissions made by the printer or advertising houses which prepare bid documents, addenda, or advertising services.

Certified Minority Business Enterprises are encouraged to respond to this solicitation notice.

Contractors are required to register on eMaryland Marketplace Advantage at eMaryland Marketplace Advantage (eMMA) within five days following notice of award. Maryland law requires local and state agencies to post award notices on eMaryland Marketplace Advantage This cannot be done without the contractor's self-registration in the system. Registration is free. Failure to comply with this requirement may be considered grounds for default. It is recommended that any interested bidder register with eMaryland Marketplace Advantage regardless of the award outcome for this procurement as it is a valuable resource for bid notification for municipalities throughout Maryland.

Afua Tisdale Procurement Specialist

10910 Clarksville Pike Ellicott City, Maryland 21042

Walk-in Coolers/Freezers
052.23.B6
N/A
N/A
N/A
Monday, December 9, 2022, at 12:00 PM in writing
Submit To: Afua Tisdale at afua_tisdale@hcpss.org
Tuesday, December 20, 2022
11:00 AM
Afua Tisdale, fax: 410-313-6789

email: afua_tisdale@hcpss.org

THE HOWARD COUNTY PUBLIC SCHOOL SYSTEM

WALK-IN COOLER/FREEZER BID #052.23.B6

INSTRUCTION TO BIDDERS

A. BID PREPARATION

- One (1) complete set of Invitation for Bid, consisting of: (1) Instructions to Bidders; (2) Terms and Conditions; (3) the Specifications; (4) any plans or drawings made part of the Invitation for Bid; (5) any addenda, shall be provided to each prospective Bidder. The original Bid Price Sheet/Form of Proposal must be returned: (1) with all questions answered; (2) without alteration; (3) with the BID SIGNATURE SHEET or No Bid Reply form properly signed; (4) submitted electronically to BidsandProposals@hcpss.org via e-mail in accordance with the Instructions on the Invitation to Bid. Mailed, hand delivered, or facsimile bids will not be accepted.
- 2. The remaining documents consisting of all pages of the Invitation for Bid, the Instruction to Bidders, Terms and Conditions, any plans, drawings or extraneous matter, are to be retained by the bidder and will form part of the contract resulting from the Invitation for Bid.
- It is the Bidder's responsibility to examine and understand all parts of the Invitation for Bid including all parts of the bidding documents, any addenda, drawings, or reference matter.
- 4. It is highly recommended that individuals preparing bid submittals for this solicitation utilize the Bid Check List enclosed with this document to assure that they have included all of the required items. Failure to include items may cause your bid to be non-responsive.

B. CONTRACT PERIOD

1. The contract period shall be for six months from the date of award expected to be June 2023.

C. ISSUING OFFICE

a) The Issuing Office is:

The Howard County Public School System Purchasing Office
10910 Clarksville Pike
Ellicott City, Maryland 21042
Attn: Afua Tisdale
(410) 313-1559
afua_tisdale@hcpss.org
http://www.hcpss.org/about-us/purchasing/

b) The Issuing Office shall be the sole point of contact with HCPSS for purposes of preparation and submittal of Bid.

D. QUESTIONS AND INQUIRIES

 For purposes of preparation and submittal of a bid contact Afua Tisdale, <u>afua tisdale@hcpss.org</u> of the issuing office. All questions are due by December 9, 2022. 2. Items affecting the scope of work or conditions of the contract shall be subject to the conditions of Addenda.

D. DUE DATE AND TIME

- 1. Technical Offers and/or Bids shall be submitted electronically via email in their entirety (all pages) in PDF format no later than the time and date specified in the Invitation to Bid to BidsandProposals@hcpss.org in order to be considered for this project/service. Technical Offers and/or Bids that contain either more than one file, or files larger than 75MB, shall be inserted into an efolder and compressed in a .zip file. Please Do Not forward or e-mail your Bid submission to any other address other than to BidsandProposals@hcpss.org.
- Email subject lines, Folder names and File names shall include: "Bid Number, 052.23.B6 and Company Name". In the body of the email please include Bidder's contact person's email and cell phone number for contacting purposes if/when necessary.
- Electronic signatures, scanned or e-signature, will be accepted. By providing bids electronically to HCPSS, Bidders grant HCPSS an unlimited right to generate additional electronic and/or paper copies for distribution solely for the purpose of evaluation and review.
- 4. To determine timeliness, the time "received" by HCPSS will be verified by the time stamp on HCPSS's email server. Technical Offers and/or Bids arriving after the due date and time will not be accepted. Bidders will be notified by email.
- 5. <u>Late Bids cannot be accepted</u>. Any bids received after the time and date specified, or by a different <u>method or location</u> will not be opened or given any consideration. HCPSS recommends against the delivery by hand, by mail or delivery services. Bids delivered to the central mailroom, front desk, or the purchasing Office will not be considered. All Bids must be submitted electronically in accordance with the instructions on the Invitation to Bid.

E. INCLEMENT WEATHER OR OTHER UNANTICIPATED HCPSS CLOSINGS

1. In the event that Howard County Public Schools are closed for students on the scheduled bid due date, but the Purchasing Office located in the Administrative/Central Offices are open then the bids will be due as specified in the original documents. In the event the Schools have a delayed opening on the date bids are due, the bid date and time will not change. In the event that the HCPSS Administrative/Central Offices are closed as the result of inclement weather or for other unanticipated reasons, Bids will be due on the next day that the Administrative/Central Office is officially open, at the same time specified. It is the bidder's responsibility to check the closure announcements.

F. ADDENDA AND CHANGES

- 1. HCPSS reserves the right to change the contents of this solicitation. Changes will be made in the form of written addenda and posted to the HCPSS Purchasing web site at https://purchasing.hcpss.org/business-opportunities.
- 2. It is the bidder's sole responsibility to monitor the Purchasing web site prior to submitting their bid and acknowledge receipt of said addenda on the proper bid form. Failure to do so may result in non- receipt of important information and may not relieve such bidder from any obligation under his/her bid submittal.

G. WITHDRAWAL OF BIDS

- 1. Bids may be withdrawn by written, facsimile, or telegraphed notice if given prior to the time and date specified for the return of bid. Telephone calls for these purposes are not acceptable.
- 2. No bid shall be withdrawn after the scheduled closing time for opening bids.

H. ERRORS IN BIDS

- 1. Failure of the Bidder to thoroughly understand all aspects of the Invitation for Bid before submitting his bid will not act as an excuse to permit withdrawal of his bid nor secure relief or plea of error.
- 2. Neither law nor regulation makes allowance for errors of omission on the part of the Bidders.

I. TAXES

1. The Howard County Public School System is tax exempt, and the price quoted shall not include federal excise taxes, state or local taxes, or use taxes.

J. TRADE DISCOUNTS

All prices offered must be the lowest net price after trade discounts have been considered. Bids offering a percentage off list prices will not be accepted unless:

 (1) specifically requested in that manner;
 (2) two copies of the referenced price list accompany the bid.

K. TIME DISCOUNTS

- 1. Prompt payment discounts are solicited and will be treated as follows:
- 2. Discounts offered which allow a minimum of twenty (20) days to qualify will be deducted from prices offered in the bid for the purpose of determining the lowest price offered.
- 3. Discounts offering less than twenty (20) calendar days will not be deducted from price offered for the purpose of determining the lowest price, but will be taken if payment is made within the discount period.
- 4. In computing prompt payment discounts the date of delivery of the supplies or completion of services or receipt of correct invoices in the offices specified will be considered and the later date prevail.

L. MULTIPLE PRICES

1. Regardless of the availability of several items that perform the same function as the item(s) described in the solicitation, the bidder must decide which item to offer and submit one price only.

M. BRAND NAME OR EQUAL

- Where a particular manufacturer's brands or models are referenced, it is to be interpreted as being descriptive and not restrictive. Bids will be considered on models or brands or products of manufacturers other than those cited if accompanied by catalogs, test reports, brochures, or other descriptive literature and supporting data, sufficient in detail to permit evaluation of the item offered without further reference. It is the responsibility of the Bidder to provide the foregoing with the bid or prior to the time and date set forth for return of the bid.
- 2. When only one manufacturer or model is referenced, the absence of anything to the contrary will be interpreted as a bid on the exact item specified.

 Where several manufacturers of models are referenced as being equally acceptable and the bidder does not indicate what particular model or brand he is bidding on, the Purchasing Office shall have the right to select the brand or model referenced.

N. SPECIFICATIONS

- Bidders offering items other than those specified must state the product name and manufacturer and, as well, submit detailed technical specifications for each item. All data submitted must contain sufficient information to facilitate equating the offer.
- 2. Failure to submit the above required information prior to or with the bid may result in rejection of the item.

O. PROPOSED SUBSTITUTIONS

- Bidders bidding on a substitute MUST submit product literature prior to bid due date or with their bid. Referencing literature shall be accompanied by complete submittals in accordance with the specification of catalogs, test reports, brochures, and other descriptive literature and supporting data, sufficient in detail to permit evaluation of the proposed substitution without further reference. Bids received for items without the required literature will not be considered responsive.
- 2. The Howard County Public School System shall be the sole authority as to whether items meet specifications or are an approved equal, and further reserves the right to reject any or all proposals or waive any informality which may appear to be in its best interest.

P. BID ACCEPTANCE

- 1. Unless otherwise stated by the Bidder in his bid, prices offered will be considered to allow (120) days for acceptance.
- 2. The Howard County Public School System reserves the right to accept or reject any and all bids, in whole or in part, received as a result of this bid or to waive minor irregularities, in any manner necessary, to serve the interest of The Board of Education. HCPSS further reserves the right to award in full, make multiple awards, partial awards, or to make no award at all.

Q. BIDDER'S QUALIFICATIONS

- Bidders may be required to furnish satisfactory evidence that they are qualified dealers or manufacturers of the items listed, or regularly engaged in performing the services on which they are bidding, and in both cases maintain a regularly established place of business. An authorized representative of The Howard County Public School System may visit any prospective contractor's place of business to determine his ability, capacity, reliability, financial stability, and other factors necessary to perform the contract.
- Bidders must be authorized distributors for items listed in this bid. The Howard County Public School System reserves the right, before awarding the contract, to require Bidders to submit evidence of qualification as it may deem necessary, in order to determine the Bidder's qualifications and abilities.

R. SIGNATURE TO BID

 The section titled "BID SIGNATURE SHEET" shall be completed to provide all the information requested and signed by the person or persons legally authorized to sign contracts.

S. CONTRACT AWARD

- Contract award will be made by the Board of Education to the lowest responsible Bidder(s) who conforms to the specifications with consideration given to quantities involved, time required for delivery, purpose for which required, competency and responsibility of the Bidder(s), the ability of the Bidder(s) to perform satisfactory service, and the plan for utilization of minority Contractors.
- 2. In the event of tie bids where all factors are equal, award shall be made to the Howard County Bidder, the out of county Bidder but incorporated in Maryland, and the Bidder not incorporated in the state of Maryland, in that order of preference. If Bidders within one of these geographical designations are equal as to all factors of consideration, the award shall be made by the toss of a coin.
- 3. The Board of Education of Howard County reserves the right to reject any or all bids, in whole or in part to make partial awards, to waive any irregularity, to increase or decrease quantities where quantities are shown and may reject any bid which indicates any omission, contains alteration of form or additions, or imposes conditions or offers alternate items and may make any award which is deemed in the best interest of The Howard County Public School System.

T. BASIS FOR AWARDING BIDS

- It is the intent of The Howard County Public School System to award on an item to item basis to the lowest responsive Bidder(s) meeting specifications. The Howard County Public School System retains the right to award item-by-item, group-bygroup, in full, or to make no award at all.
- The Howard County Department of Education shall be the sole authority as to whether items meet specifications or are an approved equal and further reserves the right to reject any or all proposals or waive any informality which may appear to be in its best interest.

U. OPENING PROCEDURES

- Sealed bids will be opened at the Department of Education at the designated time and place. The Purchasing Officer for The Howard County Public School System shall record the bid pricing of each submittal and post a bid tab to the Howard County Public Schools Purchasing website for public view.
- During the period of evaluation, no Bidder shall contact any member or employee
 of the Howard County Public School System concerning award. Such action may
 result in the Bidders offer being removed from evaluation and rendered
 nonresponsive.

V. SAMPLES

- When requested, samples shall be delivered to the Howard County Department of Education prior to the scheduled bid opening. Samples are not required when none are requested. Samples shall be properly labeled to indicate name of Bidder, date of bid opening, bid number, and item number. In the event the Purchasing Office requests a sample after the bid opening, the sample shall be delivered within ten (10) days of request for award consideration. Delivery of samples shall be to: The Howard County Public School System, Attn: Purchasing, 10910 Clarksville Pike, Ellicott City, Maryland 21042.
- 2. In the event a sample is consumed or destroyed in the evaluation process, The Howard County Public School System shall be held harmless and not liable for any cost of sample(s).

- 3. Samples must be picked up within ten (10) days after contract award, after which samples will be considered abandoned and will become the property of the Board of Education.
- 4. Samples from the successful Bidder may be held during the contract performance period as a standard of quality and will be available for return upon contract completion.\

W. INSURANCE

- 1. See ATTACHMENT A, INSURANCE REQUIREMENTS.
- 2. Bidders shall submit a copy of insurance certificate with their bid.

X. BUY AMERICAN:

- 1. HCPSS Food and Nutrition Services will adhere to "Buy American" for the food service program. Therefore Food Service is required to purchase, to the maximum extent possible, domestic products for use in meals served in our Child Nutrition Program. However, Exceptions are allowed when:
 - a) Food preferences can only be met with foreign goods
 - b) Insufficient quantity and/or quality is available in the USA
 - c) Domestic cost is significantly higher

Y. DEBARMENT AND SUSPENSION:

- See ATTACHMENT B, SUSPENSION AND DEBARMENT CERTIFICATION.
- 2. Bidders are required to submit a signed Attachment B along with their Bid Price Sheet at time of bid.
- 3. For all food service contracts to be paid with Federal assistance expected to equal or exceed \$25,000.00, HCPSS Food and Nutrition Services will obtain verification regarding debarment, suspension, ineligibility, and voluntary exclusion.
- To meet this requirement HCPSS Food and Nutrition Services shall check the Federal Excluded Parties List System at the site below and document that the vendor has not been debarred or suspended. Verification will occur prior to a vendor being chosen and before a contract has been offered. https://sam.gov/content/exclusions.

Z. ETHICS REGULATIONS

1. The Board of Education of Howard County has adopted an Ethics Regulation policy. Required by the Annotated Code of Maryland, these Ethics Regulations cover members of the Board of Education, the Superintendent, and all employees; and it specifies limits of participation of these individuals with entities doing business with The Howard County Public School System. For a copy of the regulations, please contact the Purchasing Office, Howard County Department of Education (410) 313-6644.

II. TERMS AND CONDITIONS

A. INTENT

1. It is the intent of this bid to establish a contract to provide two (2) Walk-in Coolers/Freezers for The Howard County Public School System's (HCPSS) Food and Nutritional Services department in accordance with the Instruction to Bidders, the Terms and Conditions, the Specifications, and any addenda.

B. SCOPE

 Furnish, deliver, unpack, assemble, install and set in place the specified equipment. All hardware and components necessary to operate equipment must be provided. The contractor shall provide all labor, materials and equipment to disconnect the existing specified units and install new units as specified in these documents. Removal and disposal of equipment is the responsibility of the contractor.

C. QUOTATIONS

 No proposal shall be considered which contains an escalator clause, minimum delivery amounts other than that indicated, packaging or delivery charges, or any add-on or irregular figures. The prices offered shall be the final cost to The Howard County Public School System.

D. PRICE

1. Prices shall be all inclusive and include all freight, delivery, set up, disposal and training costs to The Howard County Public School System.

E. CONTRACT

 If this bid is accepted and awarded, it will become the contract. All parts of this bid, including the bid documents, any addenda, amendments, modifications, or any other extraneous matter incorporated by reference, will be applicable to any contract(s) awarded as a result of this invitation to bid.

F. HCPSS CONTRACT MANAGER

The Howard County Public School System's Contract Manager, Mr. Brian Ralph, Director, Food and Nutrition Services (410) 313-6736, shall be responsible for the day-to-day administration of the contract upon award by the Howard County Public School System. All communications shall be directed to the Contract Manager (or designee) only. No instructions, directions, and information shall be given to the Contractor by any other HCPSS personnel.

G. FUNDING

1. The contractual obligation of the Board of Education under any resulting contract is contingent upon the availability of appropriated funds.

H. PRICE ADJUSTMENTS

- 1. Annual price adjustments will be considered. The Howard County Public School System will consider adjustments based on the following conditions:
- 2. Labor rates based upon federal minimum wage increases and decreases in the Consumer Price Index (CPI-W), Baltimore Region, as published by the Bureau of Labor Standards (increases above a 10% cap will not be considered). Adjustments will be calculated by comparing the current index with the previous index available when contract was established so as to determine the change in index points. The point change will then be divided by the price index to obtain the percentage of change. The percentage of change will then be multiplied by .75 to obtain the adjustment to be applied to the current prices.
- 3. Price increases outside of the control of the Vendor awarded the contract during the term of the contract. However, such increases will be a "pass through" to the Howard County Public School System with no mark-up by the vendor allowed. For such price increases to be considered, documentation from the manufacturer applying the price increase must accompany a written request from the Vendor.

- 4. In order to receive consideration for a price increase, the Vendor must submit to The Howard County Public School System sixty (60) days prior to contract expiration, a statement of any change in price to be applied.
- Price increase requests will not be considered if not accompanied with the proper information.

I. REFERENCES

1. The Howard County Public School System reserves the right to contact any references available in order to evaluate product.

J. ESTIMATED QUANTITIES

Quantities indicated are estimated and are not to be construed as actual quantities
to be ordered. The Howard County Department of Education reserves the right to
increase or decrease quantities as it may deem necessary relative to need and/or
the availability of appropriated funds.

K. ORDERS

- Orders shall be in the form of an official Howard County Public School System Purchase Order. No deliveries are to be made under any contract resulting from this bid without a purchase order.
- 2. The Howard County Public School System reserves the right to order awarded items as needed throughout the contract year at no additional charge to the school system.

L. PROCUREMENT CARD

The Howard County Public School System utilizes a Purchasing Card Program. Purchases resulting from this solicitation may be made through a Visa/Mastercard credit card. Bidders are prohibited from charging any additional costs/fees above and beyond the established contract prices to process such orders. Bidders lacking Visa/Mastercard capability should contact the Purchasing Office.

M. BILLING AND PAYMENT

- The contractor shall submit invoices to the Howard County Department of Education, Food and Nutrition Services Office, 5451 Beaverkill Road, Columbia, MD 21044 at the completion of each delivery. The invoice must contain the following information:
 - a) Purchase Order Number
 - b) Name of school
 - c) Description of equipment and quantities
 - d) Delivery and completion date
 - e) Total due

N. DELIVERY

- All orders shall be delivered FOB destination to the designated School(s) location(s), (see link to <u>School List</u>), <u>as soon as possible and no later than April 30, 2023</u>.
- 2. The Contract Manager, Mr. Brian Ralph, 410-313-6736 shall be contacted 48 hours prior to delivery.
- 3. Deliveries shall be made between 8:30 a.m. 2:30 p.m., Monday through Friday, except holidays. Delivery time shall be as specified by the Contract Manager or as stated on the purchase order. All equipment shall be delivered inside, unpacked, assembled, set in place and installed by the successful contractor. All residual

debris (packaging, boxes, old equipment, etc.) shall be removed from the premises by the contractor.

- 4. Upon delivery, HCPSS personnel shall have the right to inspect equipment and reject any items that, in their opinion, are damaged or do not conform to the order specifications. Rejection may be at the time of, or after, delivery. The contractor shall be required to remove the rejected items within 72 hours of notification and shall be required to replace such items within 14 days of notification at no additional cost to The Howard County Public School System.
- 5. The Howard County Public School System will not sign for or assume responsibility of deliveries until they have been properly unloaded by the Contractor's delivery personnel at the school location.

O. LABELING

 Purchase order number, description of equipment, and quantities must be identified on all tickets for items delivered.

P. DAMAGE

 Successful Bidders will be held responsible for, and be required to make good at their own expense, any and all damage done or caused by the Bidder or by their employees while executing the contract.

Q. MATERIAL SAFETY DATA SHEETS

 Pursuant to Occupational Safety and Health Act (OSHA) 29CFR1910, MSDS for the products supplied or used as a result of this contract must be attached to each shipment of product as well as mailed to:

> The Howard County Public School System Insurance & Safety 10910 Clarksville Pike Ellicott City, MD 21042

2. MSDS must show the contract number under which the products were supplied or used.

R. ASBESTOS, HAZARDOUS OR TOXIC SUBSTANCES

- No products shall contain asbestos materials. Any products from Vendor/supplier found to be containing asbestos materials shall be promptly removed from HCPSS property at the expense of the Vendor/Supplier.
- 2. Vendor/Supplier may be required to submit documentation stating that the products bid do not contain asbestos materials.
- 3. Bidders must comply with all applicable Federal, State, and County laws, ordinances and regulations pertaining to shipping, handling, distribution and access to information about hazardous and toxic substance and as amended from time to time.

S. PERFORMANCE REQUIRMENTS

- All items are to be UL tested.
- 2. The descriptions and standards identified for each item are minimally acceptable performance criteria as determined by the Board of Education. The Board of Education shall be the sole determinant as to whether products meet or exceed criteria. The owner's personnel shall have the right to reject any items which, in

their opinion, do not conform to standards. Rejection may be at time of, or after, delivery. The Contractor shall be required to remove rejected items within 72 hours of notification.

T. SITE INVESTIGATION

By submitting a bid the Contractor acknowledges that they have investigated and satisfied themselves as to the conditions affecting the work, including, but not restricted to, those bearing upon transportation, disposal, handling and storage of materials, availability of labor, water, and electric power. Any failure by the Contractor to acquaint themselves with the available information will not relieve them from responsibility for estimating properly the cost of successfully performing the work. HCPSS shall not be responsible for any conclusions or interpretations made by the Contractor of the information made available by HCPSS.

U. IDENTIFICATION

- All contractor personnel, working in or around buildings designated under this contract, shall have a valid driver's license or photo ID in their possession at all times and wear distinctive uniform clothing while on the school system's premises.
- 2. Contractors will be required to provide identification and sign-in and sign-out at the front office at each site on a daily basis during the course of each project.
- 3. The contractor shall determine and provide additional personal protective equipment required for the safe performance of work. Protective clothing, equipment, and devices shall, as a minimum, conform to Occupational Safety and Health Administration (OSHA) standards for the products being used. Vehicles used by the contractor must be identified in accordance with state and local regulations and, if applicable, be labeled with an appropriate license number identifying the company's business license.

V. SUBCONTRACTORS

- Bidders shall note on the Bid Price Sheet the names of any subcontractors proposed to complete any portions of work under this contract. Subcontractors may not be employed to perform any work under any resulting contract(s) unless specifically approved by the Contract Manager.
- 2. Nothing contained in these contract documents shall create any contractual relation between any subcontractor and the Howard County Public School System.

W. PERMITS, CODES, AND LAWS

- 1. All work shall be in accordance with the following rules and regulations and any applicable laws:
 - (1) National Fire Protection Association (NFPA)
 - (2) Basic National Building Code (BOCA)
 - (3) State Building Code (SBC)
 - (4) Local Building Codes (LBC)
 - (5) National Electrical Code (NEC)
- Where any of the above are at variance with the drawings and Specifications, the code requirements shall take precedence, and any cost necessary to meet these shall be included in the Contract.
- 3. The Contractor is assumed to be skilled in the trade, and is solely responsible for compliance with OSHA regulations, performing the work in a safe and competent manner and in installation procedures required for this work. All supervision

assigned to this project shall be experienced in this type of work. This Contractor's superintendent shall be designated as the "safety inspector," unless the Contractor appoints another.

X. SITE WORK REQUIREMENTS

- 1. Contractor is responsible to work in a neat and orderly fashion, such as to minimize disruption of Owner's employees. Job site shall be kept clean and free of debris.
- Contractor shall work between the hours affirmed by the school system's Contract manager. The Contract manager must approve any work performed outside of these hours.
- 3. Owner will not provide storage for the Contractor's tools, equipment, and materials. Owner does not assume responsibility for the security of these items.

Y. WARRANTY

 The equipment shall carry a standard factory warranty against defects in parts and workmanship for the time period stated in the product warranty specifications and/or for one (1) year from date of acceptance.

Z. TERMINATION FOR DEFAULT

When the Contractor has not performed or has unsatisfactorily performed the contract, payment shall be withheld at the discretion of The Howard County Public School System. Failure on the part of the Contractor to fulfill contractual obligations shall be considered just cause for termination of the contract and the Contractor is not entitled to recover any costs incurred by the Contractor up to the date of termination. In the event of default of contract as determined by The Howard County Public School System, the Contract Manager may procure contract items from other sources. The Contractor found in default will be held responsible for all costs incurred

AA. TERMINATION FOR CONVENIENCE

The Howard County Public School System may terminate this contract, in whole or in part, without showing just cause upon giving written notice to the Contractor. The Howard County Public School System shall pay all reasonable costs associated with the contract that the Contractor has incurred up to the date of termination and all reasonable costs associated with termination of the contract. However, the Contractor shall not be reimbursed for any anticipatory profits which have not been earned up to the date of termination.

BB. VENDOR CONTRACT ADMINISTRATION

1. Bidders shall designate internal and external contract administrators to administer the contract. Bidders are to list the names and telephone numbers in the appropriate space on the CONTRACTOR INFORMATION sheet for these individuals.

CC. MULTI-AGENCY PARTICIPATION

Under §5-112, Paragraph (3) of the Education Article of the Annotated Code of Maryland HCPSS may with Board of Education approval participate in contracts for goods or commodities that are awarded by other public agencies or by intergovernmental purchasing organizations if the lead agency for the contract follows the public bidding procedures. HCPSS therefore reserves the right to extend the terms and conditions of this solicitation to any and all other agencies within the state of Maryland as well as any other federal, state, municipal, county, or local governmental agency under the jurisdiction of the United States and it's territories. This shall include but not limited to private schools, parochial schools,

non-public schools such as charter schools, special districts, intermediate units, non-profit agencies providing services on behalf of government, and/or state, community and/or private colleges/universities that require these goods, commodities and/or services. A copy of the contract pricing and the bid requirements incorporated in this contract will be supplied to requesting agencies.

Each participating jurisdiction or agency shall enter into its own contract with the Award Bidder(s) and this contract shall be binding only upon the principals signing such an agreement. Invoices shall be submitted in duplicate "directly" to the ordering jurisdiction for each unit purchased. Disputes over the execution of any contract shall be the responsibility of the participating jurisdiction or agency that entered into that contract. Disputes must be resolved solely between the participating agency and the Award

DD. MINORITY BUSINESS ENTERPRISE PARTICIPATION

- Certified Minority Business Enterprises are encouraged to respond to this solicitation notice. Minority Business Enterprise participation shall be as defined by the procedures established for State of Maryland funded public school construction projects.
- 2. The contractor or supplier who provides materials, supplies, equipment, and/or services shall attempt to achieve the established goals determined for each project from certified minority business enterprises. The bidder or offeror agrees to make a good faith effort to achieve the established goals when applicable.

EE. TOBACCO FREE AND ALCOHOL/DRUG FREE ENVIRONMENT

The Howard County Public School System maintains a tobacco, alcohol/drug free environment. The sale or use of tobacco, alcohol or drugs, in any form, or related product, is prohibited in school buildings and grounds at all times. Persons found violating this policy will be requested to remove the product and themselves from school premises.

FF. CRIMINAL HISTORY BACKGROUND CHECKS

All employees, agents, or representatives of the awarded Contractor who will be performing work on any phase of the contract arising out of this Bid may be subject to a criminal history background check by the school system. Such persons, if requested by the school system, must provide fingerprints and other required information to facilitate such a check, as well as the necessary fees to obtain such a check from the federal or state government. At the completion of a background check, the school system may, at its sole discretion, decide that a particular employee, agent, or representative of the Contractor be barred from school system property.

GG. CHILD SEX OFFENDER NOTIFICATION

- Sex Offender Requirement: Maryland law requires certain sex offenders to register with the local law enforcement agency; See Maryland Annotated Code, Criminal Procedure Article, §11-704. One of the purposes of this law, is to inform school systems when a Registered Sex Offender is residing or working in the area. When the sex offender registers, the local police are required to notify the Superintendent of Schools, and the Superintendent, in turn, is required to send a notice to school principals.
- 2. As a contractor working for Howard County Public School System (HCPSS), we require that you do not employ Registered Sex Offenders to work on projects for our school system if they, as a result, are required to perform delivery, installation, repair, construction or any other kind of services on HCPSS property. Further, Maryland Law that became effective June 22, 2006, requires that any person who

enters a contract with a county board of education or a non-public school "may not knowingly employ an individual to work at a school" if the individual is a registered sex offender; See §11-722 Criminal Procedure Article. An employer who violates this requirement is guilty of a misdemeanor and if convicted may be subject to up to five years imprisonment and/or a \$5,000 fine.

- 3. Each contractor shall screen their work-forces to ensure that a Registered Sex Offender does not perform work at a county public school and also ensure that a subcontractor and independent contractor conducts screening of its personnel who may work at a school. The term "work force" is intended to refer to all of the contractor's direct employees and subcontractors and/or independent contractors it uses to perform the work. Violations of this provision may cause HCPSS to take action against the contractor up to and including termination of the contract.
- 4. Effective July 1, 2015, amendments to § 6-113 of the Education Article of the Maryland Code further require that a contractor or subcontractor for a local school system may not knowingly assign an employee to work on school property with direct, unsupervised, and uncontrolled access to children, if the employee has been convicted of, or pled guilty or nolo contendere to, a crime involving a sexual offense, child sexual abuse and crimes of violence.
- The contractor shall submit to HCPSS a listing of any employees assigned to perform under this agreement and certify that the necessary criminal history records checks have been conducted and that each employee complies with the requirements.

HH. INDEMNIFICATION

The Awarded Contractor shall be responsible for any loss, personal injury, expense, death and/or any other damage which may occur by reason of Contractors acts, negligence, willfulness or failure to perform any of its obligations under this agreement. Furthermore any acts on the part of any agent, director, partner, servant or employee of the Contractor are deemed to be the Contractors acts. Contractor agrees to indemnify and hold harmless the Howard County Public School System and it Board of Trustees, Employees, Agents and Students from any claim, damage, liability, expense, and/or loss, including defense costs and attorney fees, arising directly or indirectly out of the Contractor's performance under this agreement. The indemnification obligation of the successful Contractor shall include, but shall not be limited to injuries to individuals and property of individuals who are not parties to the contract. In addition the indemnification obligation of the successful Contractor shall cover the acts or omissions of any subcontractors hired by the successful Contractor. Furthermore, the indemnification obligation of the successful Contractor shall survive termination of the contract for any reason.

II. RESOLUTION OF DISPUTES

- Bid rejection for non-responsiveness and/or non-responsibility shall be made using the criteria guidelines as stated in the General Provisions, Terms and Conditions, and Technical Specifications.
- 2. After bid opening and bid review, but prior to bid award, if a Bidders entire bid is declared to be non-responsive and/or non-responsible, the Bidder will be notified as to the reason(s) for rejection.
- 3. Protests shall be filed in writing to the Purchasing Office within two days after notification.

- 4. Protests shall include the basis for the protest or appeal, complete in all respects, with relief sought, and whether the protester wishes to have a hearing with respect to the protest or appeal.
- 5. Protests shall be addressed to Howard County Department of Education, 10910 Clarksville Pike, Ellicott City, MD 21042, Attn: Buyer's Name, Procurement Specialist, labeled "Protest". The written protest shall include as a minimum the following:
 - a) Name and address of the protester
 - b) Appropriate identification of the bid
 - c) Supporting exhibits, evidence, and/or documents to substantiate any claims.
 - d) Suggested remedy(ies).

JJ. ACCEPTANCE & INSPECTION

1. All work/service shall be subject to the inspection and approval of Howard County Public School System's Contract Manager before payment is made.

III. PRODUCT SPECIFICATIONS

A. PRODUCTS for Oakland Mills HS (all products shall be new and unused)

ITEM #1: WALK-IN COOLER/FREEZER

QUANTITY: One (1) MANUFACTURER: Bally

MODEL NO.: Indoor Installation (N058)

PERTINENT DATA: 4" Foamed-In-Place Urethane Panels - Class I, NSF Construction

UTILITIES REQ'D: 1500W, 120V, 1PH; (2) 3/4" IW

ALTERNATE MFRS.: Kolpak; Thermo-Kool

Furnish and install per Equipment Plan, Sheet K-101; Building Conditions Plan, Sheet K-102; Manufacturer's Shop Drawing and the following:

- 1. Two-Section Unit, Oakland Mills High School 15'-5" L x 10'-7½" D x 9'-6" H. Size width of interior compartments equally.
- 2. Exterior Finish:
- -- 26 GA stucco embossed galvanized where unexposed.
- -- 22 GA stucco embossed stainless steel where exposed.
- 3. Interior Finish:
- -- White .040 stucco embossed aluminum walls.
- -- White acrylic enamel baked-on 26 GA smooth galvanized steel ceiling.
- 4. Interior Floor:

- -- 4" prefabricated floor panels installed in 6" deep floor recess over hot asphalt paper or 6 MIL polyethylene sheets on building floor slab.
- -- 2" setting bed with two (2) layers of wire reinforcing mesh fabric and quarry tile floor materi-al with 6" high integral coved base, interior and exterior of box, installed over prefabricated floor panel by Tile Contractor.
- 5. Entrance Door:
- -- Two (2) flush-mounted, self-closing doors with 36"x 80" net opening, hinged per equipment plan.
- -- Polished chrome camlift hinges with lift-off capability. Provide one (1) extra hinge per door, three (3) total.
- -- Kason #1236 polished chrome lever-action handle with knob-turn release and cylinder lock, each door.
- -- Kason #09440004 polished chrome dead-bolt lock, factory mounted.
- -- Kason #109400003 hydraulic door closer.
- -- Standard 2" diameter dial thermometer factory mounted in door frame.
- -- Foot treadle door opener.
- -- 36" high aluminum diamond tread kickplates, interior and exterior, of door, frame and jambs.
- -- 14" x 24" heated observation windows, both doors.
- -- Kason #907 interior door handle, factory mounted with concealed metal backing plate.
- -- Round vinyl door bumper mounted to front exterior face to protect handle from puncturing wall when door in full open position.
- -- 12 gauge stainless steel heated threshold at each entrance door.
- -- Undercut doors for quarry tile floor.
- -- Kason #1806 LED light fixture with high-impact plastic globe factory mounted centered above door opening. Conceal conduit within header of door frame and extend to junction box mounted on top of door panel.
- -- Engraved phenolic plastic compartment sign 12" long x 2" high; white in color with 1" high blue CAPITAL letters mounted on door above observation window; (1) FREEZER, (1) COOLER.
- 6. Heated pressure relief port in freezer compartment.
- 7. Four (4) Kason #1810L21248LB 48" long LED light fixtures with shatter-proof high impact plastic covers centrally-mounted to walk-in ceiling; Two (2) for the freezer, two (2) for the cooler. Fixtures shipped loose and mounted by K.E.C.; final connection by Electrical Contractor. K.E.C. to seal and insulate with silicone sealant all knock-outs in fixture casing to prevent moisture infiltration.

- 8. One (1) Modularm Model #75LC walk-in monitor system with #TK4 light control and panic button factory mounted in each door panel and inter-wired with building monitoring system, as required by Electrical Contractor. Provide engraved identification label mounted above each alarm.
- 9. Provide and install trim strips of matching exterior finish between ends of walk-in panels and build-ing walls from floor to finished ceiling. K.E.C. to verify ceiling height.
- 10. Provide and install closure panels of matching exterior finish between top of walk-in and finished ceiling. K.E.C. to verify ceiling height.
- 11. All electrical conduit shall be run concealed above walk-in ceiling per Detail, Sheet K-104.
- 12. Evaporator coil drain lines shall be run to floor drain with P-trap on exterior of box by K.E.C.
- 13. Black flexible "Armaflex" insulation applied to exposed drain lines and fittings within interior of box by K.E.C.
- 14. Spiral heat tape applied to drain line within interior of freezer compartment prior to application of insulation by K.E.C. Drain line heating cable shall be installed for continuous 24-hour operation.
- 15. Coordinate location of sprinkler head drops and provide penetrations, where necessary.
- 16. Seal and insulate all openings to prevent infiltration of warm air into cooler/freezer compartments.
- 17. Accessories:
- -- Two (2) Kolpak #HAR-C2-N1 air shields with magnetic activation switch, factory-mounted vertically, adjacent to the hinge side of each doors on the interior wall surface. Electrical Contractor to provide power receptacle and final connection.
- -- #16 ga. stainless steel hat-channel bumper rail with closed ends installed to front face of walk-in, full-length, mounted @ 36" A.F.F. Provide 1/8" diamond tread kickplates from top of finish floor coved base to bottom of bumper rail. Align bumper rail with 36" high alumi-num kickplate on doors.

ITEM #2: COOLER REFRIGERATION SYSTEM

QUANTITY: One (1)
MANUFACTURER: Bally

MODEL NO.: BEZA007H8-HS2D (N058)

PERTINENT DATA: EZ-Line, Air Cooled, Outdoor Installation, Remote, With SmartVap+ Evaporator With

EEV

UTILITIES REQ'D: 8.5A, 208V, 1PH

ALTERNATE MFRS.: RDT; Omni-Temp; Coldzone

Furnish and install per Equipment Plan, Sheet K-101; Manufacturer's Shop Drawing and the following:

- 1. Condensing Unit: Factory Pre-Assembled, Scroll, Medium Temperature, R-448A.
- 2. System located outdoors on roof. Curb with pitch-pocket furnished and installed by Contractor. Re-fer to Mechanical Plan for exact location.
- 3. Complete winterization package and condensing unit weatherproof cover.

- 4. Overall size: 24%" L x 30%" W x 19%" H.
- 5. Weight: 183 lbs.
- 6. Evaporator Coil with High-Efficiency EC Motors: Low-Profile, End-Mount Type, Model BLP107MA-S1D; 1.3A, 120V, 1PH
- -- System to operate at +35° F.
- -- Furnished complete with thermostat, solenoid and expansion valves factory mounted ready for final connection by Refrigeration Contractor.
- -- SmartVap+ and Air Defrost Electronic Controller with remote monitoring and diagnostics consisting of a microprocessor driven controller, sensors and an optional Electronic Expan-sion Valve (EEV) factory-installed.
- -- Furnish Cat5 cable and interwire to building monitoring system by Electrical Contractor.
- 7. Complete refrigeration system warrantee: five (5) years for the compressor, Two (2) years for the condensing unit, and Two (2) years for all parts of the evaporator coil.
- 8. Factory installed main-fused disconnect switch.

ITEM #3: FREEZER REFRIGERATION SYSTEM

QUANTITY: One (1) MANUFACTURER: Bally

MODEL NO.: BEZA025L8-HT3D (N058)

PERTINENT DATA: EZ-Line, Air Cooled, Outdoor Installation, Remote, With SmartVap+ Evaporator With

EEV

UTILITIES REQ'D: 13.1A, 208V, 3PH

ALTERNATE MFRS.: RDT; Omni-Temp; Coldzone

Furnish and install per Equipment Plan, Sheet K-101; Manufacturer's Shop Drawing and the following:

ITEM #3: (Continued)

- 1. Condensing Unit: Factory Pre-Assembled, Scroll, Low Temperature, R-448A.
- 2. System located outdoors on roof. Curb with pitch-pocket furnished and installed by Contractor. Re-fer to Mechanical Plan, Sheet M-141 for exact location.
- 3. Complete winterization package and condensing unit weatherproof cover.
- 4. Overall size: 36%" L x 30%" W x 19%" H.
- 5. Weight: 335 lbs.
- 6. Evaporator Coil with High-Efficiency EC Motors: Low-Profile, End-Mount Type, Model BLP209LE-S2D, 1.4A, 208V, 1PH (Fan); 10.3A, 208V, 1PH (Defrost Heater)
- -- System to operate at -10° F.

- -- Surveillant Demand Defrost Controller to consist of a microprocessor driven controller that reduces the energy used by the evaporator coil in refrigeration system through precise control of superheat, fan management and demand defrosts, factory-mounted.
- -- Furnish Cat5 cable and interwire to building monitoring system by Electrical Contractor.
- 7. Complete refrigeration system warrantee: five (5) years for the compressor, Two (2) years for the condensing unit, and Two (2) years for all parts of the evaporator coil.
- 8. Factory installed main-fused disconnect switch.

ITEM #4: DUNNAGE RACK, MOBILE

QUANTITY: Oakland Mills HS - Four (4)

MANUFACTURER: InterMetro Industries Corporation

MODEL NO.: MetroMax i (N058)

PERTINENT DATA: Open-Grid Shelf Mat, Heavy-Duty Assembly, Wire, With Metroseal 3™ Epoxy-

Coated Finish

UTILITIES REQ'D: ----ALTERNATE MFRS.: None

Furnish and set-in-place per Equipment Plan, Sheet K-101; Manufacturer's Instructions and the following:

Cooler:

1. Two (2) #MHP33K3 units, 18" W x 36" L.

Freezer:

1. Two (2) #MHP33K3 units, 18" W x 36" L.

ITEM #5: SHELVING, MOBILE

QUANTITY: Oakland Mills HS - Ten (10)

MANUFACTURER: InterMetro Industries Corporation

MODEL NO.: MetroMax i (N058)

PERTINENT DATA: Four-Tier High, Open-Grid Shelf Mat, Polymer

UTILITIES REQ'D: ----ALTERNATE MFRS.: None

Furnish and set-in-place per Equipment Plan, Sheet K-101; Manufacturer's Instructions and the following:

Oakland Mills HS Cooler:

- 1. Three (3) #MX1836G sections; 18" W x 36" L x 4-tier high.
- 2. Two (2) #MX1848G sections; 24" W x 54" L x 4-tier high.
- 3. Twenty (20) #MX63UP posts for stem casters, 61-3/16" high.
- 4. Ten (10) #5MPX polyurethane swivel casters with bumpers.

- 5. Ten (10) #5MPBX polyurethane swivel casters with brakes and bumpers.
- 6. Plastic wedge lock connectors, quantity as required.
- 7. Locate bottom shelf @ 10" A.F.F.; space remaining shelves equally.

Oakland Mills HS Freezer:

- 1. Three (3) #MX1836G sections; 18" W x 36" L x 4-tier high.
- 2. Two (2) #MX1848G sections; 24" W x 54" L x 4-tier high.
- 3. Twenty (20) #MX63UP posts for stem casters, 61-3/16" high.
- 4. Ten (10) #5MPX polyurethane swivel casters with bumpers.
- 5. Ten (10) #5MPBX polyurethane swivel casters with brakes and bumpers.
- 6. Plastic wedge lock connectors, quantity as required.
- 7. Locate bottom shelf @ 10" A.F.F.; space remaining shelves equally.
- B. PRODUCTS for Centennial HS (all products shall be new and unused) ITEM #1: WALK-IN COOLER/FREEZER

QUANTITY: One (1) MANUFACTURER: Bally

MODEL NO.: Indoor Installation (N058)

PERTINENT DATA: 4" Foamed-In-Place Urethane Panels - Class I, NSF Construction

UTILITIES REQ'D: 1500W, 120V, 1PH; (2) 3/4" IW

ALTERNATE MFRS.: Kolpak; Thermo-Kool

Furnish and install per Equipment Plan, Sheet K-101; Building Conditions Plan, Sheet K-102; Manufacturer's Shop Drawing and the following:

- 1. Two-Section Unit, Centennial High School $16'-10\frac{1}{4}$ " L x $10'-7\frac{1}{2}$ " D x 9'-6" H. Interior width: Cooler: 7'-7", Freezer: 9'-0".
- 2. Exterior Finish:
- -- 26 GA stucco embossed galvanized where unexposed.
- -- 22 GA stucco embossed stainless steel where exposed.
- 3. Interior Finish:
- -- White .040 stucco embossed aluminum walls.
- -- White acrylic enamel baked-on 26 GA smooth galvanized steel ceiling.
- 4. Interior Floor:

- -- 4" prefabricated floor panels installed in 6" deep floor recess over hot asphalt paper or 6 MIL polyethylene sheets on building floor slab.
- -- 2" setting bed with two (2) layers of wire reinforcing mesh fabric and quarry tile floor material with 6" high integral coved base, interior and exterior of box, installed over prefabricated floor panel by Tile Contractor.
- 5. Entrance Door:
- -- Two (2) flush-mounted, self-closing doors with 36"x 80" net opening, hinged per equipment plan.
- -- Polished chrome camlift hinges with lift-off capability. Provide one (1) extra hinge per door, three (3) total.
- -- Kason #1236 polished chrome lever-action handle with knob-turn release and cylinder lock, each door.
- -- Kason #09440004 polished chrome dead-bolt lock, factory mounted.
- -- Kason #109400003 hydraulic door closer.
- -- Standard 2" diameter dial thermometer factory mounted in door frame.
- -- Foot treadle door opener.
- -- 36" high aluminum diamond tread kickplates, interior and exterior, of door, frame and jambs.
- -- 14" x 24" heated observation windows, both doors.
- -- Kason #907 interior door handle, factory mounted with concealed metal backing plate.
- -- Round vinyl door bumper mounted to front exterior face to protect handle from puncturing wall when door in full open position.
- -- 12 gauge stainless steel heated threshold at each entrance door.
- -- Undercut doors for quarry tile floor.
- -- Kason #1806 LED light fixture with high-impact plastic globe factory mounted centered above door opening. Conceal conduit within header of door frame and extend to junction box mounted on top of door panel.
- -- Engraved phenolic plastic compartment sign 12" long x 2" high; white in color with 1" high blue CAPITAL letters mounted on door above observation window; (1) FREEZER, (1) COOLER.
- 6. Heated pressure relief port in freezer compartment.
- 7. Four (4) Kason #1810L21248LB 48" long LED light fixtures with shatter-proof high impact plastic covers centrally-mounted to walk-in ceiling; Two (2) for the freezer, two (2) for the cooler. Fixtures shipped loose and mounted by K.E.C.; final connection by Electrical Contractor. K.E.C. to seal and insulate with silicone sealant all knock-outs in fixture casing to prevent moisture infiltration.

- 8. One (1) Modularm Model #75LC walk-in monitor system with #TK4 light control and panic button factory mounted in each door panel and inter-wired with building monitoring system, as required by Electrical Contractor. Provide engraved identification label mounted above each alarm.
- 9. Provide and install trim strips of matching exterior finish between ends of walk-in panels and build-ing walls from floor to finished ceiling. K.E.C. to verify ceiling height.
- 10. Provide and install closure panels of matching exterior finish between top of walk-in and finished ceiling. K.E.C. to verify ceiling height.
- 11. All electrical conduit shall be run concealed above walk-in ceiling per Detail, Sheet K-104.
- 12. Evaporator coil drain lines shall be run to floor drain with P-trap on exterior of box by K.E.C.
- 13. Black flexible "Armaflex" insulation applied to exposed drain lines and fittings within interior of box by K.E.C.
- 14. Spiral heat tape applied to drain line within interior of freezer compartment prior to application of insulation by K.E.C. Drain line heating cable shall be installed for continuous 24-hour operation.
- 15. Coordinate location of sprinkler head drops and provide penetrations, where necessary.
- 16. Seal and insulate all openings to prevent infiltration of warm air into cooler/freezer compartments.
- 17. Accessories:
- -- Two (2) Kolpak #HAR-C2-N1 air shields with magnetic activation switch, factory-mounted vertically, adjacent to the hinge side of each door on the interior wall surface. Electrical Contractor to provide power receptacle and final connection.
- -- #16 ga. stainless steel hat-channel bumper rail with closed ends installed to front face of walk-in, full-length, mounted @ 36" A.F.F. Provide 1/8" diamond tread kickplates from top of finish floor coved base to bottom of bumper rail. Align bumper rail with 36" high alumi-num kickplate on doors.

ITEM #2: COOLER REFRIGERATION SYSTEM

QUANTITY: One (1)
MANUFACTURER: Bally

MODEL NO.: BEZA007H8-HS2D (N058)

PERTINENT DATA: EZ-Line, Air Cooled, Outdoor Installation, Remote, With SmartVap+ Evaporator With

EEV

UTILITIES REQ'D: 8.5A, 208V, 1PH

ALTERNATE MFRS.: RDT; Omni-Temp; Coldzone

Furnish and install per Equipment Plan, Sheet K-101; Manufacturer's Shop Drawing and the following:

- 1. Condensing Unit: Factory Pre-Assembled, Scroll, Medium Temperature, R-448A.
- 2. System located outdoors on roof. Curb with pitch-pocket furnished and installed by Contractor. Re-fer to Mechanical Plan for exact location.
- 3. Complete winterization package and condensing unit weatherproof cover.

- 4. Overall size: 24%" L x 30%" W x 19%" H.
- 5. Weight: 183 lbs.
- 6. Evaporator Coil with High-Efficiency EC Motors: Low-Profile, End-Mount Type, Model BLP107MA-S1D; 1.3A, 120V, 1PH
- -- System to operate at +35° F.
- -- Furnished complete with thermostat, solenoid and expansion valves factory mounted ready for final connection by Refrigeration Contractor.
- -- SmartVap+ and Air Defrost Electronic Controller with remote monitoring and diagnostics consisting of a microprocessor driven controller, sensors and an optional Electronic Expan-sion Valve (EEV) factory-installed.
- -- Furnish Cat5 cable and interwire to building monitoring system by Electrical Contractor.
- 7. Complete refrigeration system warrantee: five (5) years for the compressor, Two (2) years for the condensing unit, and Two (2) years for all parts of the evaporator coil.
- 8. Factory installed main-fused disconnect switch.

ITEM #3: FREEZER REFRIGERATION SYSTEM

QUANTITY: One (1) MANUFACTURER: Bally

MODEL NO.: BEZA025L8-HT3D (N058)

PERTINENT DATA: EZ-Line, Air Cooled, Outdoor Installation, Remote, With SmartVap+ Evaporator With

EEV

UTILITIES REQ'D: 13.1A, 208V, 3PH

ALTERNATE MFRS.: RDT; Omni-Temp; Coldzone

Furnish and install per Equipment Plan, Sheet K-101; Manufacturer's Shop Drawing and the following:

- 1. Condensing Unit: Factory Pre-Assembled, Scroll, Low Temperature, R-448A.
- 2. System located outdoors on roof. Curb with pitch-pocket furnished and installed by Contractor. Re-fer to Mechanical Plan, Sheet M-141 for exact location.
- 3. Complete winterization package and condensing unit weatherproof cover.
- 4. Overall size: 36%" L x 30%" W x 19%" H.
- 5. Weight: 335 lbs.
- 6. Evaporator Coil with High-Efficiency EC Motors: Low-Profile, End-Mount Type, Model BLP209LE-S2D, 1.4A, 208V, 1PH (Fan); 10.3A, 208V, 1PH (Defrost Heater)
- -- System to operate at -10° F.

- -- Surveillant Demand Defrost Controller to consist of a microprocessor driven controller that reduces the energy used by the evaporator coil in refrigeration system through precise control of superheat, fan management and demand defrosts, factory-mounted.
- -- Furnish Cat5 cable and interwire to building monitoring system by Electrical Contractor.
- 7. Complete refrigeration system warrantee: five (5) years for the compressor, Two (2) years for the condensing unit, and Two (2) years for all parts of the evaporator coil.
- 8. Factory installed main-fused disconnect switch.

ITEM #4: DUNNAGE RACK, MOBILE

QUANTITY: Centennial HS - Four (4)

MANUFACTURER: InterMetro Industries Corporation

MODEL NO.: MetroMax i (N058)

PERTINENT DATA: Open-Grid Shelf Mat, Heavy-Duty Assembly, Wire, With Metroseal 3™ Epoxy-

Coated Finish

UTILITIES REQ'D: ----ALTERNATE MFRS.: None

Furnish and set-in-place per Equipment Plan, Sheet K-101; Manufacturer's Instructions and the following:

1. Cooler:

a. Two (2) #MHP33K3 units, 18" W x 36" L.

Freezer:

b. Two (2) #MHP33K3 units, 18" W x 36" L.

ITEM #5: SHELVING, MOBILE

QUANTITY: Centennial HS – Ten (10)

MANUFACTURER: InterMetro Industries Corporation

MODEL NO.: MetroMax i (N058)

PERTINENT DATA: Four-Tier High, Open-Grid Shelf Mat, Polymer

UTILITIES REQ'D: ----ALTERNATE MFRS.: None

Furnish and set-in-place per Equipment Plan, Sheet K-101; Manufacturer's Instructions and the following:

Centennial HS Cooler:

- 1. Three (3) #MX1836G sections; 18" W x 36" L x 4-tier high.
- 2. Two (2) #MX1848G sections; 24" W x 54" L x 4-tier high.
- 3. Twenty (20) #MX63UP posts for stem casters, 61-3/16" high.
- 4. Ten (10) #5MPX polyurethane swivel casters with bumpers.

- 5. Ten (10) #5MPBX polyurethane swivel casters with brakes and bumpers.
- 6. Plastic wedge lock connectors, quantity as required.
- 7. Locate bottom shelf @ 10" A.F.F.; space remaining shelves equally.

Centennial HS Freezer:

- 1. One (1) #MX1836G section; 18" W x 36" L x 4-tier high.
- 2. Four (4) #MX1848G sections; 24" W x 54" L x 4-tier high.
- 3. Twenty (20) #MX63UP posts for stem casters, 61-3/16" high.
- 4. Ten (10) #5MPX polyurethane swivel casters with bumpers.
- 5. Ten (10) #5MPBX polyurethane swivel casters with brakes and bumpers.
- 6. Plastic wedge lock connectors, quantity as required.
- 7. Locate bottom shelf @ 10" A.F.F.; space remaining shelves equally.
- C. Coordination with HCPSS
- 1. The awarded Contractor for this equipment shall coordinate with the HCPSS Construction Manager and Architect as well as the Prime Contractor that will be hired to make structural repairs to the areas where the Physical boxes will be installed. This will include but not be limited to verifying of schedules, sequence of the installation phases and manufacturer requirements. The anticipated time for the equipment to be on site ready for installation is the end of June 2023.

ATTACHMENT A

INSURANCE REQUIREMENTS

1 - General Insurance Requirements:

- 1.1 The Contractor shall not commence Work until he has obtained at his own expense all of the insurance as required hereunder and such insurance has been approved by the Board of Education of Howard County Maryland; nor shall the Contractor allow any Subcontractor to commence Work on his subcontract until all similar insurance required of the Subcontractor has been so obtained and approved by the Contractor. Approval of insurance required of the Contractor will be granted only after submission to the Board of Education of Howard County Maryland of original, signed certificates of insurance or, alternately, at the Board of Education of Howard County Maryland's request, certified copies of the required insurance policies.
- 1.2 The Contractor shall require all Subcontractors to maintain during the term of this agreement, commercial general liability insurance, business automobile liability insurance, and Workers' Compensation and employers' liability insurance, in the same manner as specified for the Contractor. The Contractor shall furnish Subcontractors' certificates of insurance to the Board of Education of Howard County Maryland immediately upon request.
- 1.3 All insurance required hereunder shall include the following provision: "It is agreed that this policy is not subject to cancellation, non-renewal, material change, or reduction in coverage until sixty (60) days prior written notice has been given to the Board of Education of Howard County Maryland."

The phrases "endeavor to" and "... but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents or representatives" are to be eliminated from the cancellation provision of standard ACORD certificates of insurance.

- 1.4 No acceptance and/or approval of any insurance by the Board of Education of Howard County Maryland shall be construed as relieving or excusing the Contractor, or the Surety, or his bonds, from any liability or obligation imposed upon either or both of them by the provisions of the Contract Documents.
- 1.5 The Board of Education of Howard County Maryland and its elected or appointed officials, agents and employees are to be named as an additional insured under all coverages except Workers compensation and business automobile liability, and the certificate of insurance, or the certified policy, if requested, must so state this. Coverage afforded under this paragraph shall be primary as respects the Board of Education of Howard County Maryland, its agents and employees.
- 1.6 The Contractor shall be responsible for the Work performed under the Contract Documents and every part thereof, and for all materials, tools, equipment, appliances, and property of any and all description used in connection with the Work. The Contractor assumes all risk for direct and indirect damage or injury to the property or persons used or employed on or in connection with the Work contracted for, and of all damage or injury to any person or property wherever located, resulting from the action, omission, commission or operation under the contract, or in connection in any way whatsoever with the contracted Work, until final acceptance of the Work by the Board of Education of Howard County Maryland.
- 1.7 Insurance coverage required in these specifications shall be in force throughout the contract term. Should the Contractor fail to provide acceptable evidence of current insurance within seven days of written notice at any time during the contract term, the Board of Education of Howard County Maryland shall have the absolute right to terminate the contract without any further obligation to the Contractor, and the Contractor shall be liable to the Board of Education of Howard County Maryland for the entire additional cost of procuring performance and the cost of performing the incomplete portion of the contract at time of termination.
- 1.8 Contractual and other liability insurance provided under this contract shall not contain a supervision, inspection or engineering services exclusion that would preclude the Board of Education of Howard County

Maryland from supervising or inspecting the project as to the end result. The Contractor shall assume all on-the-job responsibilities as to the control of persons directly employed by it and of the Subcontractors and any persons employed by the Subcontractor.

- 1.9 Nothing contained in the specifications shall be construed as creating any contractual relationship between any Subcontractor and the Board of Education of Howard County Maryland. The Contractor shall be fully responsible to the Board of Education of Howard County Maryland for the acts and omissions of the Subcontractors and of persons employed by them as it is for acts and omissions of persons directly employed by it.
- 1.10 Precaution shall be exercised by the Contractor at all times for the protection of persons, (including employees) and property. All existing structures, utilities, roads, services, trees and shrubbery shall be protected against damage or interruption of service at all times by the Contractor and its Subcontractors during the term of the contract, and the Contractor shall be held responsible for any damage to property occurring by reason of its operation on the property.
- 1.11 If the Contractor does not meet the insurance requirements of the specifications, alternate insurance coverage, satisfactory to the Board of Education of Howard County Maryland, may be considered. Written requests for consideration of alternate coverages must be received by the Board of Education of Howard County Maryland at least ten Working days prior to the date set for receipt of bids or proposals. If the Board of Education of Howard County Maryland denies the request for alternate coverages, the specified coverages will be required to be submitted.
- 1.12 All required insurance coverages must be acquired from insurers allowed to do business in the State of Maryland and acceptable to the Board of Education of Howard County Maryland. The insurers must also have a policyholders' rating of "A-" or better, and a financial size of "Class VII" or better in the latest edition of Best's Insurance Reports, unless the Board of Education of Howard County Maryland grants specific approval for an exception.
- 1.13 The Board of Education of Howard County Maryland will consider any deductible amounts as part of its review of the financial stability the Contractor. Any deductibles shall be disclosed by the Contractor, and deductible amounts are the responsibility of the Contractor.

2 - Contractor's Liability Insurance - "Occurrence" Basis:

- 2.1 The Contractor shall purchase the following insurance coverages:
 - 2.1.1 Commercial general liability with a minimum limit of \$1,000,000 per occurrence, \$1,000,000 annual aggregate including all of the following:
 - i. General aggregate limit is to apply per project;
 - ii. Premises/operations;
 - iii. Actions of independent Contractors;
 - iv. Products/completed operations to be maintained for two years after completion of the Work;
 - v. Contractual liability including protection for the Contractor from claims arising out of liability assumed under this contract;
 - vi. Personal injury liability including coverage for offenses related to employment;

- vii. Explosion, collapse, or underground (XCU) hazards (confirmation of underground hazard coverage must be confirmed by either certificate of insurance or in writing by Contractor's agent, broker or insurer);
- 2.1.2 Business automobile liability including coverage for any owned, hired, or non-owned motor vehicles and automobile contractual liability with a limit of \$1,000,000 per accident; uninsured motorist coverage at minimum statutory limits.
- 2.1.3 Workers compensation with statutory benefits as required by Maryland law or the U. S. Longshoremen's and Harbor Workers' Compensation Act, or other laws as required by labor union agreements, including standard other states coverage; employers' liability coverage with limits of \$100,000 per accident, \$100,000 per employee for disease, and a \$500,000 disease policy limit.
- 2.1.4 Total limit requirements of 2.1.1, 2.1.2 and 2.1.3 may be met by a combination of primary and umbrella excess liability coverage.
- 2.1.5 Aircraft liability including coverage for any owned, hired or non-owned aircraft utilized in the project (e.g. installation of HVAC unit on school roof) with a minimum limit of \$_NA_ per occurrence applicable to aircraft while in flight or in motion. A higher limit may be required by the Board of Education of Howard County Maryland upon exposure review.

3 - Commercial General or Other Required Liability Insurance - "Claims Made" Basis

- 3.1 If commercial general or other liability insurance purchased by the Contractor has been issued on a "claims made" basis, the Contractor must comply with the following additional conditions:
 - i. Agree to provide certificates of insurance evidencing the above coverages for a period of two years after final payment for the contract. Such certificates shall evidence a retroactive date, no later than the beginning of the Contractors' or Subcontractors' Work under this contract, or
 - ii. Purchase an extended (minimum two years) reporting period endorsement for the policy or policies in force during the term of this contract and evidence the purchase of this extended reporting period endorsement by means of a certificate of insurance or a copy of the endorsement itself.

ATTACHMENT B

SUSPENSION AND DEBARMENT CERTIFICATION

Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transactions

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 7CFR Part 3017, Section 3017.510, Participants' responsibilities. The regulations were published as Part IV of the January 30, 1989, <u>Federal Register</u> (pages 4722-4733). Copies of the regulations may be obtained by contacting the Department of Agriculture agency with which this transaction originated.

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS BELOW)

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Organization Name	
Name of Authorized	Representative

Instructions for Suspension And Debarment Certification

- 1. By signing and submitting this form, the prospective lower tier participant is providing the certification set out on the form in accordance with these instructions.
- 2. The certification in this clause is a material representation of fact upon which reliance was placed when the transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
- 3. The prospective lower tier participant shall provide immediate written notice to the person to whom this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- 4. The terms "covered transaction", "debarred", "suspended", "ineligible", "lower tiered 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 rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
- 5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tiered 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 with which this transaction originated.
- 6. The prospective lower tier participant further agrees by submitting this form that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions", without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

ATTACHMENT A

INSURANCE REQUIREMENTS

1 - General Insurance Requirements:

- 1.1 The Contractor shall not commence Work until he has obtained at his own expense all of the insurance as required hereunder and such insurance has been approved by the Board of Education of Howard County Maryland; nor shall the Contractor allow any Subcontractor to commence Work on his subcontract until all similar insurance required of the Subcontractor has been so obtained and approved by the Contractor. Approval of insurance required of the Contractor will be granted only after submission to the Board of Education of Howard County Maryland of original, signed certificates of insurance or, alternately, at the Board of Education of Howard County Maryland's request, certified copies of the required insurance policies.
- 1.2 The Contractor shall require all Subcontractors to maintain during the term of this agreement, commercial general liability insurance, business automobile liability insurance, and Workers' Compensation and employers' liability insurance, in the same manner as specified for the Contractor. The Contractor shall furnish Subcontractors' certificates of insurance to the Board of Education of Howard County Maryland immediately upon request.
- 1.3 All insurance required hereunder shall include the following provision: "It is agreed that this policy is not subject to cancellation, non-renewal, material change, or reduction in coverage until sixty (60) days prior written notice has been given to the Board of Education of Howard County Maryland."

The phrases "endeavor to" and "... but failure to mail such notice shall impose no obligation or liability of any kind upon the company, its agents or representatives" are to be eliminated from the cancellation provision of standard ACORD certificates of insurance.

- 1.4 No acceptance and/or approval of any insurance by the Board of Education of Howard County Maryland shall be construed as relieving or excusing the Contractor, or the Surety, or his bonds, from any liability or obligation imposed upon either or both of them by the provisions of the Contract Documents.
- 1.5 The Board of Education of Howard County Maryland and its elected or appointed officials, agents and employees are to be named as an additional insured under all coverages except Workers compensation and business automobile liability, and the certificate of insurance, or the certified policy, if requested, must so state this. Coverage afforded under this paragraph shall be primary as respects the Board of Education of Howard County Maryland, its agents and employees.
- 1.6 The Contractor shall be responsible for the Work performed under the Contract Documents and every part thereof, and for all materials, tools, equipment, appliances, and property of any and all description used in connection with the Work. The Contractor assumes all risk for direct and indirect damage or injury to the property or persons used or employed on or in connection with the Work contracted for, and of all damage or injury to any person or property wherever located, resulting from the action, omission, commission or operation under the contract, or in connection in any way whatsoever with the contracted Work, until final acceptance of the Work by the Board of Education of Howard County Maryland.
- 1.7 Insurance coverage required in these specifications shall be in force throughout the contract term. Should the Contractor fail to provide acceptable evidence of current insurance within seven days of written notice at any time during the contract term, the Board of Education of Howard County Maryland shall have the absolute right to terminate the contract without any further obligation to the Contractor, and the Contractor shall be liable to the Board of Education of Howard County Maryland for the entire additional cost of procuring performance and the cost of performing the incomplete portion of the contract at time of termination.
- 1.8 Contractual and other liability insurance provided under this contract shall not contain a supervision, inspection or engineering services exclusion that would preclude the Board of Education of Howard County

Maryland from supervising or inspecting the project as to the end result. The Contractor shall assume all on-the-job responsibilities as to the control of persons directly employed by it and of the Subcontractors and any persons employed by the Subcontractor.

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- 1.12 All required insurance coverages must be acquired from insurers allowed to do business in the State of Maryland and acceptable to the Board of Education of Howard County Maryland. The insurers must also have a policyholders' rating of "A-" or better, and a financial size of "Class VII" or better in the latest edition of Best's Insurance Reports, unless the Board of Education of Howard County Maryland grants specific approval for an exception.
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- 2.1 The Contractor shall purchase the following insurance coverages:
 - 2.1.1 Commercial general liability with a minimum limit of \$1,000,000 per occurrence, \$1,000,000 annual aggregate including all of the following:
 - i. General aggregate limit is to apply per project;
 - ii. Premises/operations;
 - iii. Actions of independent Contractors;
 - iv. Products/completed operations to be maintained for two years after completion of the Work;
 - v. Contractual liability including protection for the Contractor from claims arising out of liability assumed under this contract;
 - vi. Personal injury liability including coverage for offenses related to employment;

- vii. Explosion, collapse, or underground (XCU) hazards (confirmation of underground hazard coverage must be confirmed by either certificate of insurance or in writing by Contractor's agent, broker or insurer);
- 2.1.2 Business automobile liability including coverage for any owned, hired, or non-owned motor vehicles and automobile contractual liability with a limit of \$1,000,000 per accident; uninsured motorist coverage at minimum statutory limits.
- 2.1.3 Workers compensation with statutory benefits as required by Maryland law or the U. S. Longshoremen's and Harbor Workers' Compensation Act, or other laws as required by labor union agreements, including standard other states coverage; employers' liability coverage with limits of \$100,000 per accident, \$100,000 per employee for disease, and a \$500,000 disease policy limit.
- 2.1.4 Total limit requirements of 2.1.1, 2.1.2 and 2.1.3 may be met by a combination of primary and umbrella excess liability coverage.
- 2.1.5 Aircraft liability including coverage for any owned, hired or non-owned aircraft utilized in the project (e.g. installation of HVAC unit on school roof) with a minimum limit of \$_NA_{\text{per}}\$ per occurrence applicable to aircraft while in flight or in motion. A higher limit may be required by the Board of Education of Howard County Maryland upon exposure review.

3 - Commercial General or Other Required Liability Insurance - "Claims Made" Basis

- 3.1 If commercial general or other liability insurance purchased by the Contractor has been issued on a "claims made" basis, the Contractor must comply with the following additional conditions:
 - i. Agree to provide certificates of insurance evidencing the above coverages for a period of two years after final payment for the contract. Such certificates shall evidence a retroactive date, no later than the beginning of the Contractors' or Subcontractors' Work under this contract, or
 - ii. Purchase an extended (minimum two years) reporting period endorsement for the policy or policies in force during the term of this contract and evidence the purchase of this extended reporting period endorsement by means of a certificate of insurance or a copy of the endorsement itself.

ATTACHMENT B

SUSPENSION AND DEBARMENT CERTIFICATION

Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion-Lower Tier Covered Transactions

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 7CFR Part 3017, Section 3017.510, Participants' responsibilities. The regulations were published as Part IV of the January 30, 1989, <u>Federal Register</u> (pages 4722-4733). Copies of the regulations may be obtained by contacting the Department of Agriculture agency with which this transaction originated.

(BEFORE COMPLETING CERTIFICATION, READ INSTRUCTIONS BELOW)

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

Organization Name
Name of Authorized Representative
Signature

Instructions for Suspension And Debarment Certification

- 1. By signing and submitting this form, the prospective lower tier participant is providing the certification set out on the form in accordance with these instructions.
- 2. The certification in this clause is a material representation of fact upon which reliance was placed when the transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.
- 3. The prospective lower tier participant shall provide immediate written notice to the person to whom this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
- 4. The terms "covered transaction", "debarred", "suspended", "ineligible", "lower tiered 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 rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.
- 5. The prospective lower tier participant agrees by submitting this form that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tiered 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 with which this transaction originated.
- 6. The prospective lower tier participant further agrees by submitting this form that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions", without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

ATTACHMENT C - BID PROPOSAL PRICE SHEET

Walk-in Cooler/Freezer Bid #: 052.23.B6

Item #	Oakland Mills HS Item Specifications (or Approved Equal)	Est. Quantity	х	Unit Price	=	Total Cost	Trade-In Value	Net Total Cost
1	WALKIN COOLER/FREEZER		х	\$	=	\$		
	Manufacturer - Bally							
	Model Number: Indoor Installation (N058)							
	See Product Specifications Section III A - Item #1							
	Manufacturer:							
	Model Number:							
	Substitute Specification: (circle one): YES or NO							
2	COOLER REFRIGERATION SYSTEM	1	х	\$	=	\$		
	Manufacturer - Bally							
	Model Number: BEZA007H8-HS2D (N058)							
	See Product Specifications Section III A - Item #2							
	Manufacturer:							
	Model Number:							
	Substitute Specification: (circle one): YES or NO							
3	FREEZER REFRIGERATION SYSTEM	1	х	\$	=	\$		
	Manufacturer: Bally							
	Model Number: BEZA025L8-HT3D (N028)							
	See Product Specifications Section III A ITEM # 3							
	Manufacturer:							
	Model Number:							
	Substitute Specification: (circle one): YES or NO							
4	Dunnage Rack, Mobile	4	х	\$	=	\$		
	Manufacturer - InterMetro Industries Corporation							
	Model number : MetroMax I (N058)							
	See Product Specifications Section III A Item # 4							
	Manufacturer:							
	Model Number:							
	Substitute Specification: (circle one): YES or NO							
5	Shelving, Mobile	10	х	\$	=	\$		
	Manufacturer - InterMetro Industries Corporation							
	Model number : MetroMax I (N058)							
	See Product Specifications Section III A Item # 5							
	Manufacturer:							

ATTACHMENT C - BID PROPOSAL PRICE SHEET

Walk-in Cooler/Freezer Bid #: 052.23.B6

Model Number: Bally Model Number: BEZA007H8-HS2D (NOS) Substitute Specification: (circle one): YES or NO Centendinal HS - Item Specifications (or Approved Equal) Substitute Specifications (circle one): YES or NO Substitute Specifications (circle one): YES or NO Substitute Specification: (circle one): YES or NO Su	Item #	Oakland Mills HS Item Specifications (or Approved Equal)	Est. Quantity	х	Unit Price	=	Total Cost	Trade-In Value	Net Total Cost
Centernial HS- tem Specifications (or Approved Equal) 6 WALKIN COOLER/FREEZER 1 X \$ = \$ Manufacturer - Baily Model Number: Indoor Installation (N058) See Product Specifications Section III B - Rem #1 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 7 COOLER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer - Baily Model Number: BEZAQOTM8-HSZD (N058) See Product Specifications Section III B - Rem #2 Model Number: BEZAGOTM8-HSZD (N058) See Product Specifications Section III B - Rem #2 Model Number: Substitute Specification: (circle one): YES or NO 8 FREEZER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer: Baily Model Number: BEZAGSL8-HT3D (N028) See Product Specifications Section III A ITEM # 3 Manufacturer: Model Number: BEZAGSL8-HT3D (N028) See Product Specifications Section III A ITEM # 3 Manufacturer: Model Number: BEZAGSL8-HT3D (N028) See Product Specifications Section III A ITEM # 3 Manufacturer: Model Number: BEZAGSL8-HT3D (N028) See Product Specifications Section III A ITEM # 3 Manufacturer: InterMetro Industries Corporation Model number: MetroMax (N058) See Product Specification: (circle one): YES or NO 9 Dunnage Rack, Mobile Model Number: Substitute Specifications Section III B Rem # 4 Manufacturer: InterMetro Industries Corporation Model Number: Substitute Specification: (circle one): YES or NO 10 Shelving, Mobile 10 X \$ = \$		Model Number:							
Manufacturer - Bally		Substitute Specification: (circle one): YES or NO							
1									
Model Number: Indoor Installation (N058) See Product Specifications Section III B - Item #1 Manufacturer: Substitute Specification: (circle one): YES or NO 7 COOLER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer - Bally Model Number: BEZA007NB-HS2D (N058) See Product Specifications Section III B - Item #2 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 8 FREEZER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer: Bally Model Number: BEZA025L8-HT3D (N028) See Product Specifications Section III A ITEM # 3 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 9 Dunnage Rack, Mobile 4 X \$ = \$ Manufacturer: InterMetro Industries Corporation Model Number: Substitute Specification: (circle one): YES or NO 9 Dunnage Rack, Mobile 4 X \$ = \$ Manufacturer: InterMetro Industries Corporation Model Number: Substitute Specifications Section III B Item #4 Manufacturer: Model Number: Substitute Specifications Section III B Item #4 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 10 Shelving, Mobile 10 X \$ = \$	6	WALKIN COOLER/FREEZER	1	х	\$	=	\$		
See Product Specifications Section III B - Item #1 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 7 COOLER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer - Bally Model Number: BEZA007H8-HS2D (NO58) See Product Specifications Section III B - Item #2 Manufacturer: Model Number: BEZA007H8-HS2D (NO58) See Product Specifications Section III B - Rem #2 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 8 FREEZER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer: Bally Model Number: BEZA025L8-HT3D (N028) See Product Specifications Section III A ITEM #3 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 9 Dunnage Rack, Mobile 4 X \$ = \$ Manufacturer - InterMetro Industries Corporation Model Number: MetroMax i (N058) See Product Specifications Section III B Item #4 Manufacturer: Model Number: MetroMax i (N058) See Product Specifications Section III B Item #4 Manufacturer: Model Number: Substitute Specifications Section III B Item #4 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 10 Shelving, Mobile 10 X \$ = \$		Manufacturer - Bally							
Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO		Model Number: Indoor Installation (N058)							
Model Number: Substitute Specification: (circle one): YES or NO 7 COOLER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer - Baily Model Number: BEZA007H8-HS2D (NOS8) See Product Specifications Section III 8 - Nem #2 Manufacturer: Model Number: Model Number: BEZA007H8-HS2D (NOS8) Substitute Specification: (circle one): YES or NO 8 FREEZER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer: Baily Model Number: BEZA025L8-HT3D (N028) See Product Specifications Section III A ITEM # 3 Manufacturer: Model Number: BEZA025L8-HT3D (N028) See Product Specification: (circle one): YES or NO 9 Dunnage Rack, Mobile 4 X \$ = \$ Manufacturer - InterMetro Industries Corporation Model number : MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: MetroMax i (N058) Substitute Specifications (circle one): YES or NO Shelving, Mobile Manufacturer - InterMetro Industries Corporation		See Product Specifications Section III B - Item #1							
Substitute Specification: (circle one): YES or NO 7 COOLER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer - Bally Model Number: BEZA007H8-HS2D (N058) See Product Specifications Section III B - Item #2 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 8 FREEZER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer: Bally Model Number: BEZA025L8-HT3D (N028) See Product Specifications Section III A ITEM # 3 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 9 Dunnage Rack, Mobile 4 X \$ = \$ Manufacturer - InterMetro Industries Corporation Model Number: Substitute Specification: Section III B Item # 4 Manufacturer: Model Number: Substitute Specifications Section III B Item # 4 Manufacturer: Model Number: MetroMax I (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 9 Dunnage Rack, Mobile 4 X \$ = \$ Model Number: Substitute Specification: (circle one): YES or NO 10 Shelving, Mobile 10 X \$ = \$		Manufacturer:							
Total Cooler Refrigeration System		Model Number:							
1		Substitute Specification: (circle one): YES or NO							
Model Number: BEZA007H8-HS2D (N058) See Product Specifications Section III B - Item #2 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 8 FREEZER REFRIGERATION SYSTEM 1 X \$ = \$ Manufacturer: Bally Model Number: BEZA025L8-HT3D (N028) See Product Specifications Section III A ITEM # 3 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 9 Dunnage Rack, Mobile 4 X \$ = \$ Manufacturer - InterMetro Industries Corporation Model number: MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: Substitute Specifications Section III B Item # 4 Manufacturer: Model Number: MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO	7	COOLER REFRIGERATION SYSTEM	1	х	\$	=	\$		
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Model number : MetroMax i (N058) See Product Specifications Section III B Item # 4 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 10 Shelving, Mobile 10 X \$ = \$ Manufacturer - InterMetro Industries Corporation	9	Dunnage Rack, Mobile	4	Х	\$	=	\$		
See Product Specifications Section III B Item # 4 Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 10 Shelving, Mobile 10 X \$ = \$ Manufacturer - InterMetro Industries Corporation		Manufacturer - InterMetro Industries Corporation							
Manufacturer: Model Number: Substitute Specification: (circle one): YES or NO 10 Shelving, Mobile 10 X \$ = \$ Manufacturer - InterMetro Industries Corporation		Model number : MetroMax i (N058)							
Model Number: Substitute Specification: (circle one): YES or NO 10 Shelving, Mobile 10 X \$ = \$ Manufacturer - InterMetro Industries Corporation		See Product Specifications Section III B Item # 4							
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10 Shelving, Mobile 10 X \$ = \$ Manufacturer - InterMetro Industries Corporation		Model Number:							
Manufacturer - InterMetro Industries Corporation		Substitute Specification: (circle one): YES or NO							
Manufacturer - InterMetro Industries Corporation	10	Shelving, Mobile	10	Х	\$	=	\$		
		Manufacturer - InterMetro Industries Corporation							
··································		Model number : MetroMax i (N058)							

ATTACHMENT C - BID PROPOSAL PRICE SHEET

Walk-in Cooler/Freezer Bid #: 052.23.B6

Item #	Oakland Mills HS Item Specifications (or Approved Equal)	Est. Quantity	х	Unit Price	=	Total Cost	Trade-In Value	Net Total Cost
	See Product Specifications Section III A Item # 5							
	Manufacturer:							
	Model Number:							
	Substitute Specification: (circle one): YES or NO							
OVERAL	L TOTAL:							

ATTACHMENT C.1 - BID SIGNATURE SHEET Walk-In Cooler/Freezer Bid #052.23.B6

I. COMPANY INFORMATION

Name of company years in business Street Address City State Zip Telephone# Fax # Web Page II. CONTACT FOR INSIDE CONTRACT ADMINISTRATION In the event your firm receives a contract as a result of this Invitation for Bid, please designate an inside person whom we may contact during the period of the contract for prompt contract administration showing: Phone____ Address____ Fax _____ Cell **III. SUBCONTRACTORS** Bidders are hereby required to name any subcontractors to be utilized as part of their bid package. Name of Company Type of Work **IV. RECEIPT OF ADDENDA** Addendum: Dated: Received: Dated: _____ Addendum: Received: Addendum:

Received:

THE HOWARD COUNTY PUBLIC SCHOOL SYSTEM

BID SIGNATURE SHEET

A. Bidder's Certification

- I/we hereby propose to furnish and deliver supplies and or services, in accordance with specifications and stipulations contained herein, and at the prices quoted. I/we certify that this bid is made without any previous understanding, agreement, or connection with any person, firm, or corporation making a bid for the same supplies, materials, or Lumber and is in all respects fair and without collusion or fraud.
- I/we certify that this bid is made without having contacted any employee within The Howard County Public School System unless such contacts were previously authorized by the Purchasing Officer.
- 3. I/we certify that this bid is genuine and not collusive or sham; that said bidder has not colluded, conspired, connived and agreed, directly or indirectly, with any bidder or person to put in a sham bid or to refrain from bidding and is not in any manner, directly or indirectly, sought by agreement of collusion or communication or conference, with any person to fix the bid prices of the affidavit or any other bidder, or to fix any overhead, profit or cost element of said bid price, or that of any bidder, or to secure any advantage against the Board of Education of Howard County or any other person interested in the proposed contract; and that all statements in said proposal or bid are true.
- 4. I affirm that this firm will not knowingly employ an individual to work at a school if the individual is a Registered Sexual Offender, pursuant to section 11-722 (C) of the Criminal Procedure Article of the Annotate Code of Maryland. A firm or person who violates this section is guilty of a misdemeanor and on conviction is subject to imprisonment not exceeding 5 years or a fine not exceeding \$5,000 or both.
- 5. I hereby certify that I am authorized to sign for the bidder.

B. Vendor/Contractor Disqualification - Bribery

A person convicted for bribery, attempted bribery, or conspiracy to bribe shall be disqualified from entering into a contract with any county or other subdivision of the state. Every business entity upon submitting a bid or otherwise applying for a contract shall submit an affidavit stating whether it, its officers, directors, or partners, or its employees have been convicted of bribery, attempted bribery, or conspiracy to bribe under the laws of any state or federal government.

Submitted by:

(company name)
(telephone number)
(person authorized to sign bids)
(title of authorized representative)
(signature of authorized representative)
(date)
eMaryland Marketplace Advantage (eMMA) Vendor ID No.

CHECK LIST

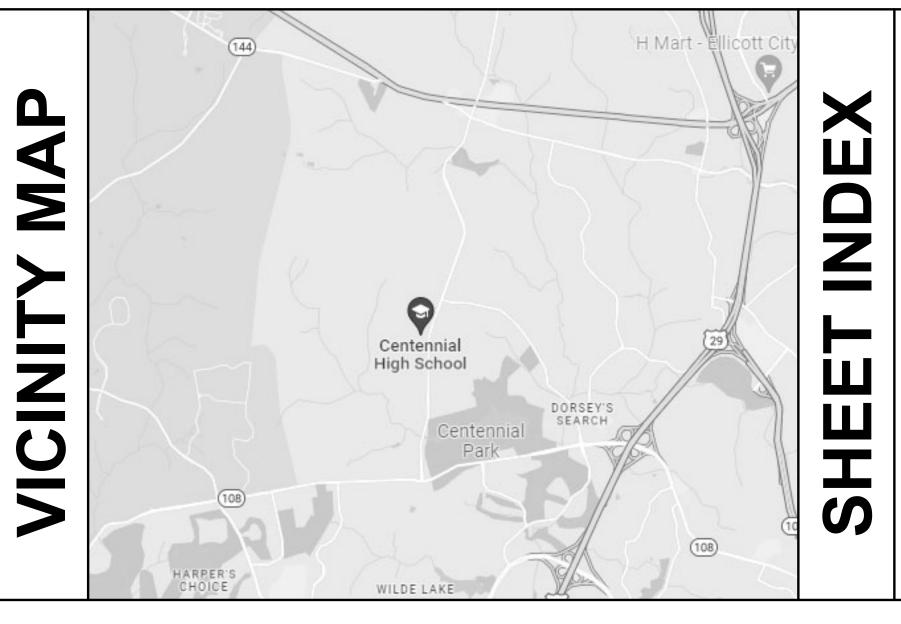
The following forms must be included with your bid.

Yes	No	
		Attachment B-Suspension and Debarment Certification
		Specimen Copy of Certificate of Insurance
		Bid Price Sheet

HOWARD COUNTY PUBLIC SCHOOLS CENTENNIAL HIGH SCHOOL WALK-IN BOX REPLACEMENT 4300 CENTENNIAL LANE, ELLICOTT CITY, MD, 21042

NYIKOS-GARCIA FOODSERVICE DESIGN INC. PROJECT NUMBER 22.098

BID SET



K-000: WALK-IN BOX COVER SHEET

K-101: WALK-IN BOX EQUIPMENT PLAN

K-102: BUILDING CONDITIONS PLAN

K-103: PLUMBING ROUGH-IN PLAN

K-104: ELECTRICAL ROUGH-IN PLAN

K-501: REFRIGERATION DETAILS

K-502: SPECIFICATIONS





10910 CLARKSVILLE PIKE ELLICOTT CITY, MD 21042

CENTENNIAL HS WALK-IN BOX REPLACEMENT

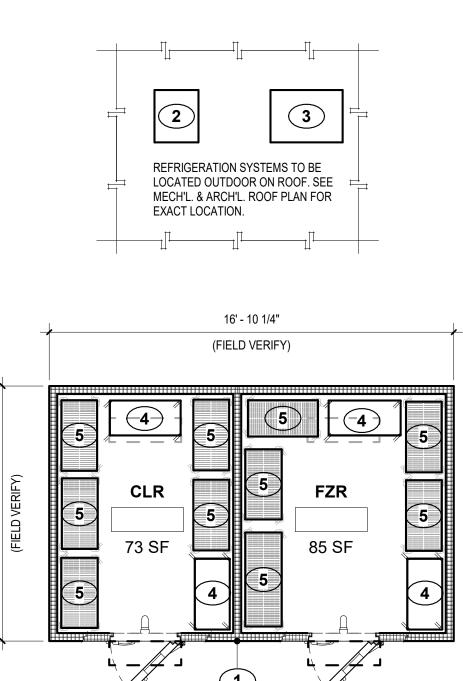
4300 CENTENNIAL LN ELLICOTT CITY, MD 21042

INO.	Description	Date

WALK-IN BOX COVER SHEET

Project Number 22.098
Date
Drawn By
Checked By
JEG

K-000



WALK-IN BOX EQUIPMENT PLAN
SCALE: 1/4"=1'-0"

EQUIPMENT SCHEDULE								
ITEM	QTY.	DESCRIPTION	REMARKS					
1	1	WALK-IN COOLER/FREEZER	W/ AIR CURTAINS, 9'-6" OVERALL HEIGHT					
2	1	COOLER REFRIGERATION SYSTEM	LOCATED OUTDOORS ON ROOF					
3	1	FREEZER REFRIGERATION SYSTEM	LOCATED OUTDOORS ON ROOF					
4	4	DUNNAGE RACK, MOBILE						
5	10	SHELVING, MOBILE						

THE USE OF SEALANTS IN FOOD SERVICE EQUIPMENT

1. ALL SEALANTS MUST BE LISTED AS APPROVED BY THE NATIONAL SANITATION FOUNDATION (NSF) UNDER 51.

SEALANTS SHALL BE USED ONLY ON STRUCTURALLY SOUND JOINTS AND SEAMS.
 SEALANTS MAY BE USED TO FILL SPACES AND OPENINGS SUCH AS, BUT NOT LIMITED TO, BLIND RIVET HEADS AND SLOT AND PHILLIPS HEAD SCREWS.

4. OPENINGS AROUND SERVICE AND UTILITY LINES SHOULD BE CLOSED INSOFAR AS PRACTICAL BY:
A. COLLARS AND GROMMETS.
B. FLEXIBLE FORM GASKETS.

5. SEALANTS MAY BE USED TO SEAL SERVICE AND UTILITY LINES TO WALL AND ADJACENT PIECES OF EQUIPMENT WHERE THE SPACING IS. CLOSED TO LESS THAN 1/8 OF INCH.

6. SEALANTS MAY NOT BE UTILIZED IN FOOD AND SPLASH CONTACT SURFACES, TO FILL OPEN SPACES, OR VOIDS WHICH RESULT DUE TO IMPROPER DESIGN OR FABRICATION. ANY OPENING IN EXCESS OF 1/8 INCH SHALL BE CONSIDERED EXCESSIVE AND MUST BE CLOSED USING PROPER FIELD JOINTS.

DEMOLITION NOTES

DEMOLISHED & REMOVED FROM PROPERTY BY K.E.C.

D1. DEMOLISH AND REMOVE FROM PROPERTY EXISTING WALK-IN BOXES AND ALL ASSOCIATED COMPONENTS BY K.E.C.

D2. EXISTING EVAPORATOR COIL(S) INSIDE EACH COMPARTMENT AND ASSOCIATED REFRIGERATION PIPING TO BE

D3. EXISTING REFRIGERATION RACK SYSTEM AND ASSOCATED REFRIGERATION PIPING TO BE REMOVED FROM PROPERY BY K.F.C.

D4. EXISTING FLOORING IN & AROUND WALK-IN BOXES TO BE DEMOLISHED & REMOVED FROM PROPERTY BY G.C.

D5. NEW FLOORING IN & AROUND WALK-IN BOXES TO BE FURNISHED & INSTALLED BY OTHERS.

GENERAL HEALTH DEPARTMENT NOTATIONS

- ALL PIPING, CONDUIT, BX CABLE AND SIMILAR CONSTRUCTION WILL BE EITHER LOCATED INSIDE A WALL OR INSTALLED WITH A MINIMUM 3/4" SPACE FROM THE WALL OR SEALED TO THE WALL.
- ALL FLOOR MOUNTED EQUIPMENT WILL BE PLACED ON NATIONAL SANITATION FOUNDATION (NSF)
 APPROVED SIX (6) INCH LEGS, OR THE EQUIVALENT, AND PROPERLY SPACED FROM ADJACENT
 EQUIPMENT OR WALLS; OR PLACED ON NSF APPROVED CASTERS, OR THE EQUIVALENT; OR
 PROPERLY SEALED TO ALL ADJACENT SURFACES.
- 3. ALL ANNULAR OPENINGS IN CONSTRUCTION WILL BE SEALED TO WITHIN 1/32ND OF AN INCH.
- ASSOCIATION 101.

 5. ALL PAINTING WILL BE WITH LEAD-FREE, NON-METALLIC ENAMEL PAINT OR A HIGH QUALITY VARNISH.

4. ALL AISLES WILL BE A MINIMUM OF THIRTY-SIX (36) INCHES WIDE PER NATIONAL FIRE PROTECTION

6. WASTE WATER FROM ALL APPLICABLE FOODSERVICE EQUIPMENT WILL BE INDIVIDUALLY PLUMBED TO AN OPEN SITE DRAIN WITH A MINIMUM ONE INCH AIR GAP.

GENERAL NOTES

1. K.E.C. TO COORDINATE WITH G.C. FOR ALL INSTALLATION DETAILS AND SCHEDULES.

- 2. SCHEDULE WILL BE PROVIDED AND MAINTAINED BY CM.
- 3. COORDINATE WITH ARCHITECTURAL DOCUMENTS TO BE PROVIDED.



YIKOS Foodservice Design 7146 Starmount Wa ARCIA New Market, MD 21 P 240.683.9530



10910 CLARKSVILLE PIKE ELLICOTT CITY, MD 21042

CENTENNIAL HS
WALK-IN BOX
REPLACEMENT

4300 CENTENNIAL LN ELLICOTT CITY, MD 21042

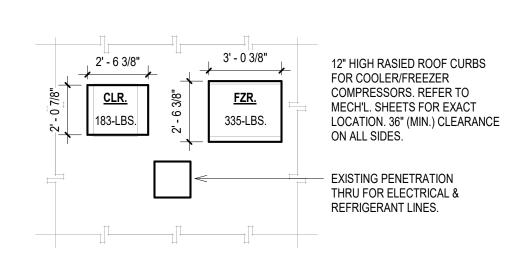
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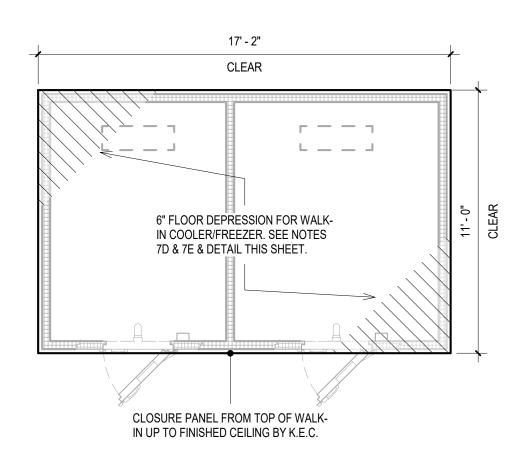
WALK-IN BOX EQUIPMENT PLAN

Project Number	22.09
Date	
Drawn By	AW
Checked By	JEC

K-101

1/4" = 1





WALK-IN BOX EQUIPMENT PLAN
SCALE: 1/4"=1'-0"

BUILDING CONDITIONS NOTE: FLOOR DEPRESSION

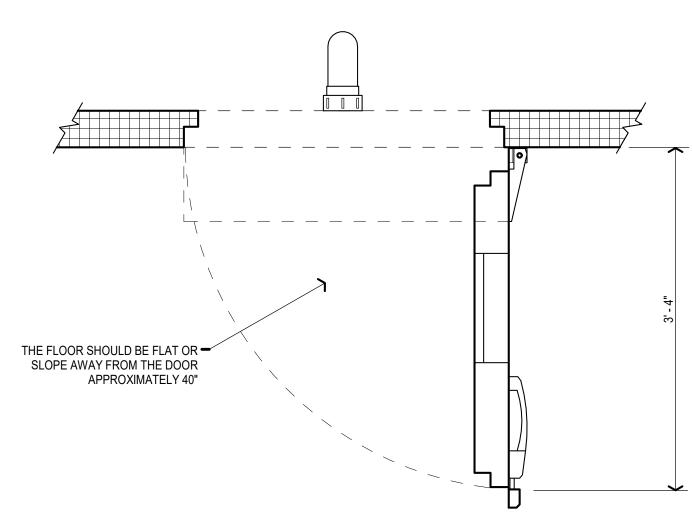
BUILDING CONDITIONS & VENTILATION NOTE:

- ALL WORK INDICATED ON THIS PLAN AND IN THESE NOTES SHALL BE BY OTHER THAN.
 THE KITCHEN EQUIPMENT CONTRACTOR, UNLESS NOTED BY "K.E.C.".
 WALLS, FLOORS AND CEILINGS IN KITCHEN, PREP, SERVICE, AND DISHWASHING AREAS,
 OR ANY OTHER LOCATION WHERE FOOD OR BEVERAGES ARE PREPARED, SHALL BE
 SMOOTH, EASILY- CLEANABLE, NON-ABSORBANT, AND DURABLE. WALLS AND CEILINGS
 SHALL BE LIGHT COLORED.
- PARTITION WALLS BETWEEN KITCHEN AREAS AND PUBLIC AREAS SHALL BE CONTRUCTED FOR MAXIMUM SOUND CONTROL.
 MINIMUM VENTILATION REQUIREMENTS:
- 5. FLOOR LOADING CAPACITY SHALL BE A MINIMUM OF 100 LBS. PER SQUARE FOOT OR AS REQUIRED BY LOCAL CODES.6. GENERAL CONTRACTOR (G.C.), OR EQUIVALENT SHALL:
- A. PROVIDE IN-WALL REINFORCING OR BACKING, AS REQUIRED, FOR WALL-MOUNTED EQUIPMENT; COORDINATE WITH K.E.C.
 B. SLOPE FLOOR TO FLOOR SINKS, FLOOR DRAINS, OR FLOOR TROUGHS.
 C. PROVIDE DOOR/WALL OPENINGS AND/OR PASSAGES TO ASSURE ACCESS FOR ALL KITCHEN EQUIPMENT. COORDINATE OPENING REQUIREMENTS WITH K.E.C.
- KITCHEN EQUIPMENT. COORDINATE OPENING REQUIREMENTS WITH K.E.C.

 D. PROVIDE WALK-IN COOLER/FREEZER DEPRESSIONS, SMOOTH AND TRANSIT-LEVEL,
 WHERE DEPRESSIONS ARE REQUIRED. DEPTH AS NOTED.

 E. FILL EXCESS DEPRESSIONS AROUND WALK-IN COOLER/FREEZER WITH GROUT,
- FINISH FLOOR MATERIAL, AND COVED BASE, AFTER COOLER/FREEZER IS INSTALLED BY K.E.C.
 F. PROVIDE SOLID MASONRY CURBS WITH TROWEL-SMOOTH AND LEVEL FINISH.
 G. PROVIDE COVED-BASE MOLDING OR COVED INTEGRAL FLOOR MATERIALS AS

REQUIRED AT ALL VERTICAL SURFACES OF KITCHEN FLOORS.



NOTE:

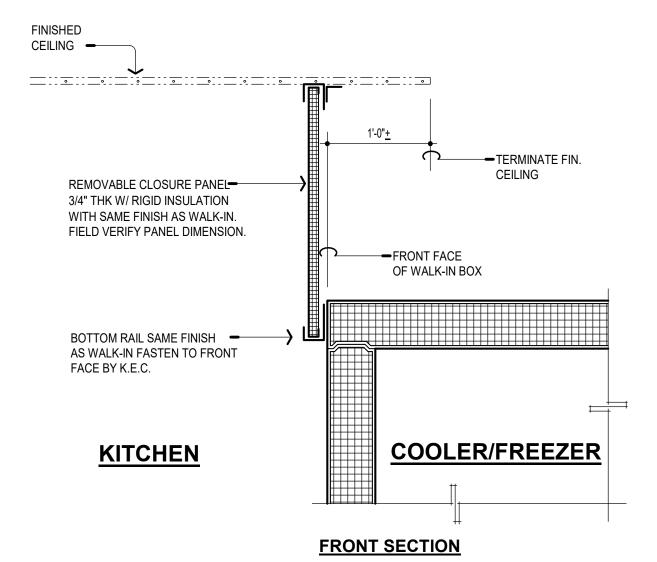
WHEN QUARRY TILES ARE USED, THE FINISHED FLOOR CANNOT BE HIGHER THAN THE THRESHOLD IN FRONT OF THE WALK-IN DOOR.

IF THE FLOOR IS HIGHER THAN THE DOOR, THE DOOR WILL DRAG ON THE FLOOR AND NOT CLOSE. THE DOOR SWEEP WILL ALSO BE DAMAGED.

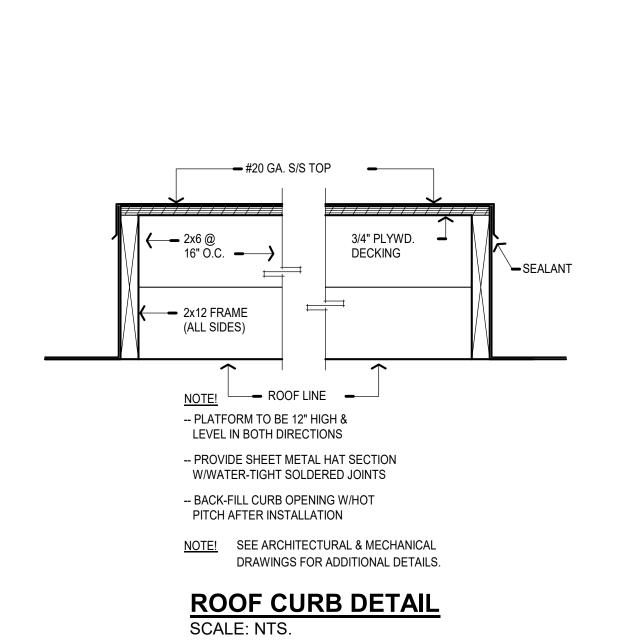
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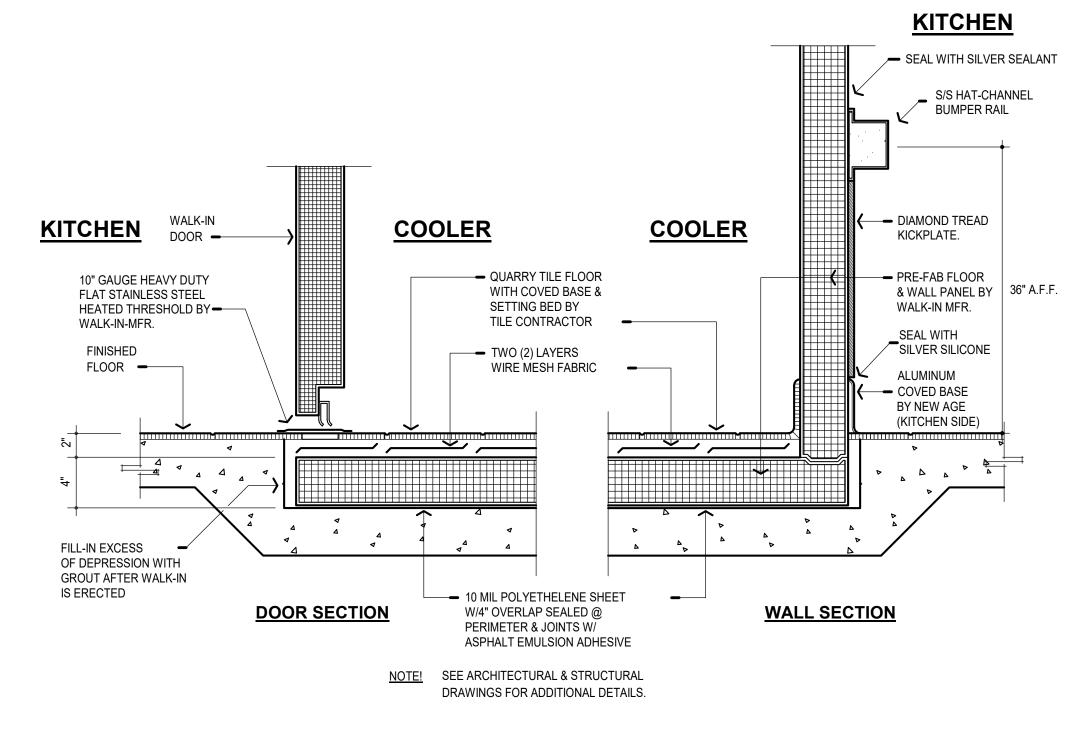
KEEP THE WALK IN DOORS OPEN WHEN INSTALLING THICKSET, TILE
AND GROUT. THE OFF GASSES WILL DAMAGE THE FITTINGS AND WALL
FINISH IN THE WALK-IN.

WALK-IN COOLER/FREEZER DOOR CLEARANCE SCALE: NTS.



WALK - IN CLOSURE PANEL DETAIL





WALK-IN FLOOR DETAIL SCALE: NTS.



NYIKOS Foodservice Design Inc. 7146 Starmount Way New Market, MD 21774 P 240.683.9530



10910 CLARKSVILLE PIKE ELLICOTT CITY, MD 21042

CENTENNIAL HS WALK-IN BOX REPLACEMENT

4300 CENTENNIAL LN ELLICOTT CITY, MD 21042

No.	Description	Date
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BUILDING CONDITIONS PLAN

Project Number 22.098

Date

Drawn By

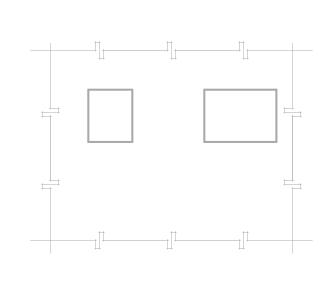
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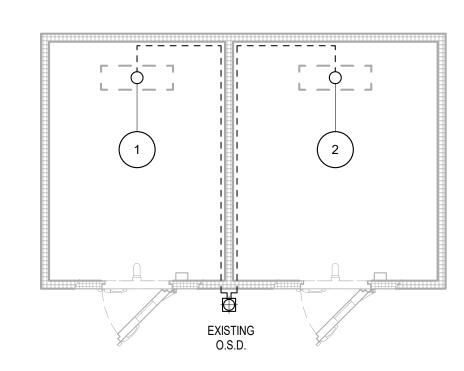
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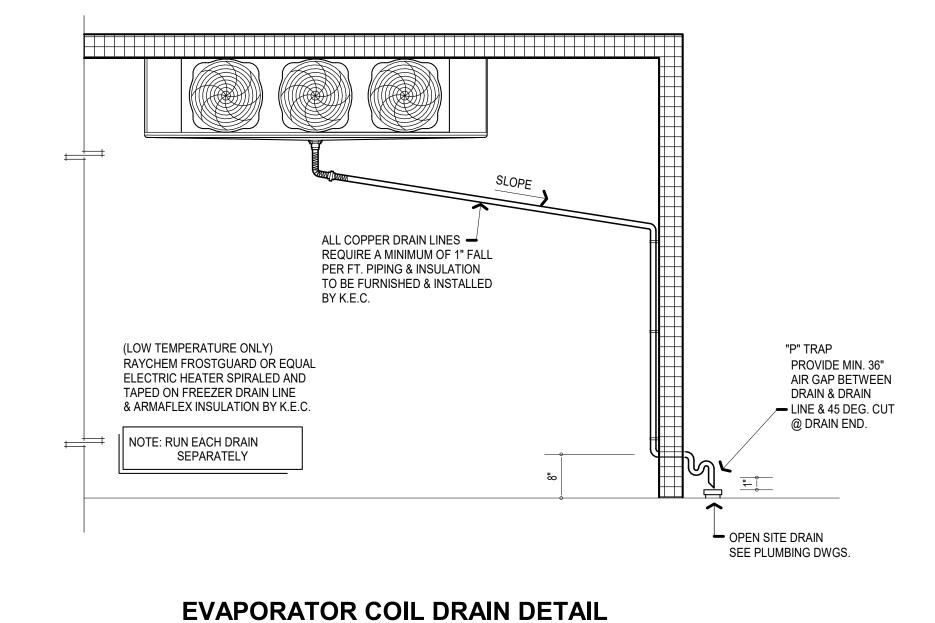
Scale

1/4" = 1'-0"





WALK-IN BOX EQUIPMENT PLAN



	PLUMBING SCHEDULE								
	WA	ΓER	WA	STE		CONN.			
R.I. #	HW	CW	DIR	IND	R.I. HGT. A.F.F.	SIZE	HEIG HT	DESCRIPTION	EQ. #
1				3/4"		3/4"	84"	COOLER BLOWER COIL DRAIN	1
2				3/4"		3/4"	84"	FREEZER BLOWER COIL DRAIN	1

PLUMBING	SYMBOLS	
ABBREVIATION	SYMBOL	DESCRIPTION
IW	O	INDIRECT WASTE
O.S.D.		OPEN SITE DRAIN (STORM WATER)
R.I. #	#	ROUGH-IN NUMBER (SEE PLUMBING SCHEDULE)
P.C.		PLUMBING CONTRACTOR
K.E.C.		KITCHEN EQUIPMENT CONTRACTOR

- PLUMBING KITCHEN GENERAL NOTES:

USE OF, OR SERVICING OF EQUIPMENT.

- ALL OUTLETS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE FIXTURES AND EQUIPMENT ONLY. SEE ARCHITECTURAL/ENGINEERING PLANS FOR ADDITIONAL PLUMBING REQUIREMENTS. THIS PLUMBING PLAN IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION SIZES, POSITIONS, HEIGHTS AND LOAD REQUIREMENTS. DIMENSIONS SHOWN ARE FROM FINISHED FLOORS AND FINISHED WALLS. VERIFY WALL PARTITION LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- B. FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE BY PLUMBING CONTRACTOR INCLUDING REQUIRED MATERIALS SUCH AS, STOPS, MIXING VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING, ETC. TO ASSURE PROPER OPERATION ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES. PLUMBING CONTRACTOR (P.C.), OR EQUIVALENT, SHALL FURNISH AND INSTALL THE
- A. ALL WATER, WASTE, AND GAS SERVICE TO POINT OF ROUGH-IN AS SHOWN ON PLAN. ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS AT HEIGHT INDICATED FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. FLOOR ROUGH-INS TO STUB UP 2" ABOVE FINISHED FLOOR OR CURBS. ALL FLOOR OPENINGS/PENETRATIONS ARE TO BE SHALL BE AS INDICATED ON PLAN REGARDLESS OF CONNECTION SIZE, AND SHALL BE PITCHED
- DOWNWARD. MAINTAIN DRAIN LINES AS HIGH AS POSSIBLE ABOVE FLOOR FOR SANITATION AND AND CLEANING. ALL WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS. C. INDIRECT WASTE LINES FOR WALK-IN COOLER/FREEZER BLOWER COILS SHALL BE PITCHED 1" PER FOOT OF HORIZONTAL RUN, AND TERMINATE WITH A P-TRAP OVER FLOOR SINK OR APPROVED RECEPTER WITH VACUUM BREAK AS REQUIED BY LOCAL CODE. ALL LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH INTENDED



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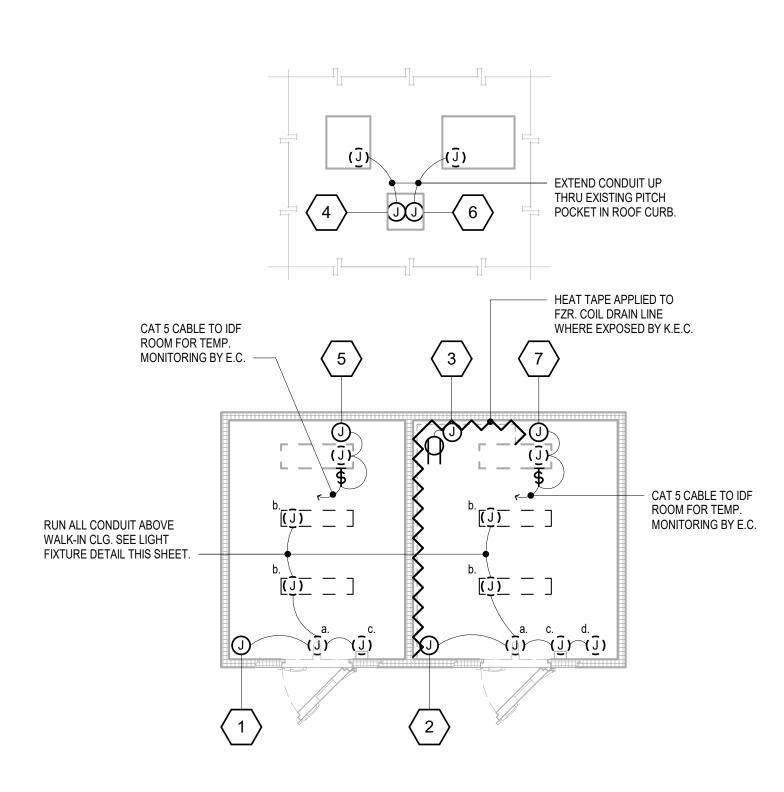
CENTENNIAL HS WALK-IN BOX REPLACEMENT

4300 CENTENNIAL LN ELLICOTT CITY, MD 21042

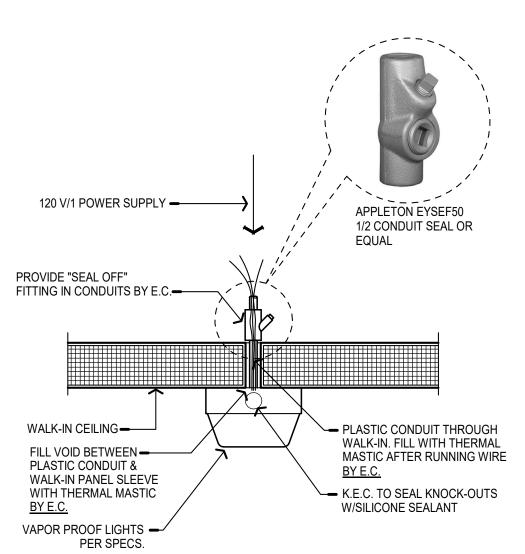
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PLUMBING **ROUGH-IN PLAN**

22.098 AWL







- 1. ALL CONDUIT TO BE RUN ON EXTERIOR CEILING OF WALK-IN.
- 2. ALL PENETRATIONS THRU WALK-IN ARE TO BE SEALED WITH THERMAL MASTIC BY E.C.
- 3. LIGHT FIXTURES TO BE SHIPPED LOOSE & INSTALLED BY K.E.C.
- FINAL CONNECTION BY ELECTRICIAN. 4. NO METAL CONDUIT INSIDE WALK-IN BOX.
- 5. ALL CONDUIT KNOCK OUTS IN LIGHT FIXTURE TO BE SEALED W/SILICONE SEALANT BY K.E.C.

WALK-IN LIGHT INSTALLATION DETAIL SCALE: NTS.

	ELECTRICAL SCHEDULE											
										E.C. TO PROVIDE		
R.I.#	HP	KW	AMP	VOLTS	PH	R.I. HGT. A.F.F.	DESCRIPTION	E.Q. NO.	CORD & PLUG	RECEP.	DISC.	J.B
1						114"	BRANCH TO:	1				0
1a		1.5 KW		120	1		DOOR LIGHT, HEATER, ALARM	1				
1b		32W (2)		120	1		L.E.D. LIGHT FIXTURE (2)	1				
1c			1.50	120	1	114"	AIR SHIELD	1				0
2						114"	BRANCH TO:	1				0
2a		1.5 KW		120	1		DOOR LIGHT, HEATER, ALARM	1				
2b		32W (2)		120	1		L.E.D. LIGHT FIXTURE (2)	1				
2c			1.50	120	1	114"	AIR SHIELD	1				0
2d		.100		120	1		HEATED RELIEF PORT	1				
3		.150		120	1		DRAIN LINE HEAT TAPE RECEP.	1		0		0
4			8.5	208	1	STUB	COOLER COMPRESSOR RACK	2				0
5			1.3	120	1	114"	COOLER BLOWER COIL	2				0
6			13.1	208	3	STUB	FREEZER COMPRESSOR RACK	3				0
7			10.3	208	1	114"	FREEZER BLOWER COIL	3				0

SEE MECH'L. SHEET FOR EXACT LOCATION. ITEM FURNISHED W/MAIN-FUSED DISCONNECT SWITCH.

ELECTRICAL SYMBOLS W/FINAL CONN. TO JUNCTION BOX (INSTALLED IN EQUIPMENT BY K.E.C. OR MFR.) DUPLEX CONVENIENCE OUTLET CONDUIT STUB W/FINAL SWITCH L.E.D. LIGHT FIXTURE ROUGH-IN NUMBER (SEE ELECTRICAL SCHEDULE) ELECTRICAL CONTRACTOR KITCHEN EQUIPMENT CONTRACTOR

KITCHEN ELECTRICAL GENERAL NOTES:

LATEST EDITION, AND LOCAL CODES.

WITH THERMAL MASTIC FURNISH AND INSTALL BY E.C.

- ELECTRICAL SYSTEM IS DESIGNED FOR 120/208 VOLT, 3-PH; 480 VOLT, 3-PH, 4-WIRE, 60 HERTZ. ALL OUTLETS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE FIXTURES AND EQUIPMENT ONLY. SEE ARCHITECTURAL/ENGINEERING PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS
- THIS ELECTRICAL PLAN IS INTENDED TO SHOW ROUGH-IN OUTLET TYPES, HEIGHTS AND LOCATIONS, AND CONNECTION POSITIONS AND LOAD REQUIREMENTS. ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS AND FINISHED FLOORS. VERIFY FINISH WALL PARTITION LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- ALL ELECTRICAL WORK FOR FABRICATED FOODSERVICE EQUIPMENT SHALL BE COMPLETELY WIRED BY THE FABRICATION CONTRACTOR TO A COMMON JUNCTION BOX. PULL BOX. OR CONTROL PANEL ON THE EQUIPMENT IN AN ACCESSIBLE POSITION. FINAL CONNECTIONS TO EQUIPMENT JUNCTION BOX OR PULL BOX, AND ALL ELECTRICAL WORK FROM MAIN PANEL
- FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHALL BE PERFORMED BY THE ELECTRICAL
- CONTRACTOR, INCLUDING MATERIALS. PIPING, CONDUIT, AND SIMILAR CONSTRUCTION, LOCATED OUTSIDE A WALL, MUST BE
- INSTALLED SO THAT THERE IS A MINIMUM OF 3/4 INCH SPACE BETWEEN IT AND THE WALL. ELECTRICAL CONTRACTOR (E.C.), OR EQUIVALENT, SHALL FURNISH AND INSTALL THE FOLLOWING: A. ALL JUNCTION BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL OUTLETS, JUNCTION BOXES, COVER PLATES, ETC. IN DISHROOMS OR AS INDICATED ON SCHEDULE SHALL BE MOISTURE-PROOF. B. ALL PLUGS AND CORDS AS NOTED ON SCHEDULE. ALL CORDS SHALL BE N.E.M.A. RATED AND U.L. APPROVED FOR MANUFACTURED AND FABRICATED EQUIPMENT. C. SHUNT-TRIP CIRCUIT BREAKERS OR DISCONNECTS FOR FIRE CONTROL SYSTEM SHUT-OFF

OF FOODSERVICE EQUIPMENT BENEATH HOODS/VENTILATORS AS REQUIRED BY N.F.P.A.-96,

- D. DISCONNECTS OR OTHER DEVICES AS REQUIRED BY CODES. WHEN APPLICABLE, ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS (PROVIDED BY K.E.C.), AND INTERWIRE BETWEEN THE FOLLOWING: A. REMOTE REFRIGERATION SYSTEMS TO EVAPORATOR COILS. B. WALK-IN COOLER/FREEZER LIGHTS (RUN CONDUIT ABOVE COMPARTMENT CEILING). C. REMOTE WALK-IN COOLER/FREEZER ALARM SYSTEMS (WHEN USED). D. CONTROL PANELS TO VENTILATORS AND EXHAUST/SUPPLY FANS PER MANUFACTURER'S
- E. KITCHEN EXHAUST HOODS/VENTILATORS TO FIRE CONTROL SYSTEM, BUILDING

ALL ELECTRICAL CONDUIT PENETRATION ON WALK-IN BOX SHALL HAVE SEAL OFF FITTING FILL



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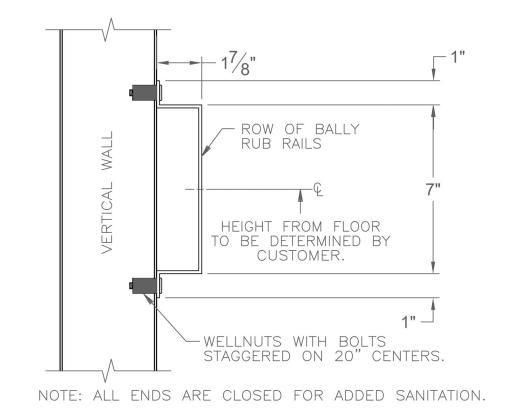
CENTENNIAL HS WALK-IN BOX REPLACEMENT

4300 CENTENNIAL LN ELLICOTT CITY, MD 21042

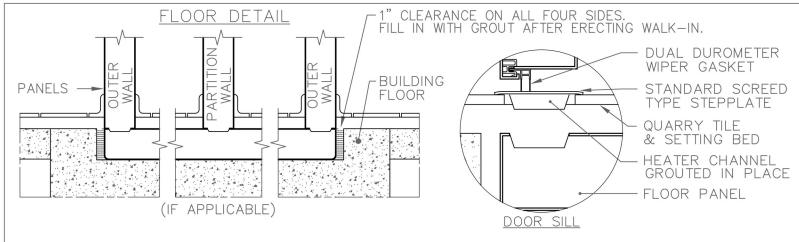
No.	Description	Date

ELECTRICAL ROUGH-IN PLAN

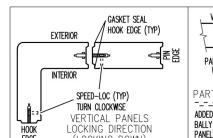
22.098 AWL

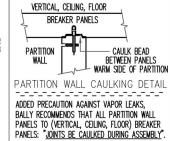


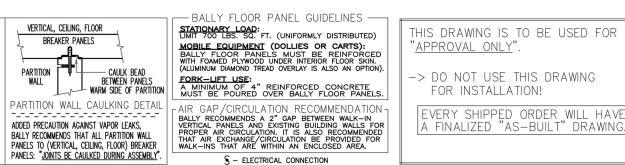
BALLY RUB RAILS (ALUMINUM OR STAINLESS STEEL) (SEE BALLY DRAWING: F-453 FOR DETAILS)



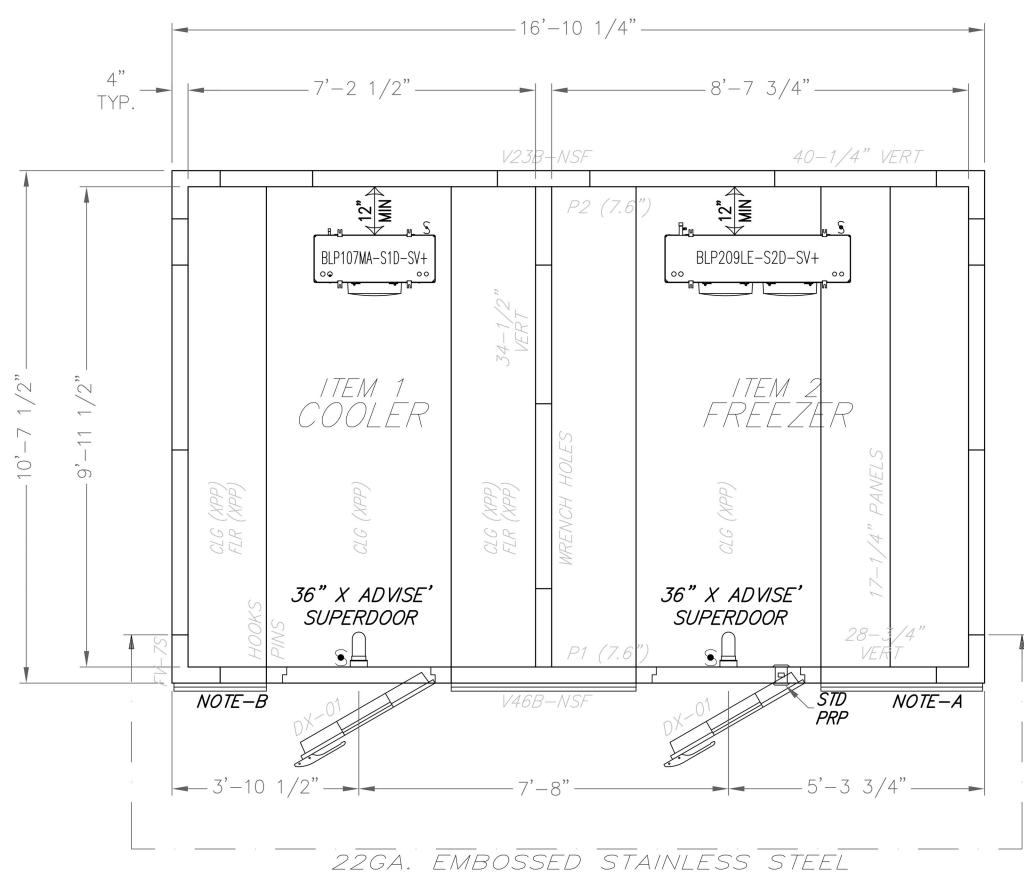
- NOTE: BEARING SURFACE UNDER FLOOR PANELS MUST BE LEVEL AND DRY. BOTTOM OF PANELS MUST HAVE AT LEAST 80% CONTACT WITH FLOORS.
- NOTE: IF MOISTURE IS PRESENT UNDER BUILDING FLOOR, A VAPOR BARRIER MUST BE APPLIED
- BETWEEN BUILDING FLOOR AND PREFAB PANELS.
- NOTE: BALLY TO FURNISH THE PREFAB SECTIONAL WALK-IN COOLER OR FREEZER ONLY (UNLESS OTHERWISE SPECIFIED). THIS INCLUDES WALLS AND CEILING PANELS.
- NOTE: THESE DRAWINGS ARE INTENDED TO SERVE AS GUIDE LINE DRAWINGS ONLY. THEY ARE NOT INTENDED TO BE CONSTRUCTION DRAWINGS AS CONDITIONS MAY VARY WIDELY. DIMENSIONAL AND MATERIAL DESIGN TO BE DETERMINED BY PROJECT CONSTRUCTION ENGINEER.







-> DO NOT USE THIS DRAWING



SCALE: 1/2" = 1' - 0"

GENERAL NOTES

RESTRICTED, CONFIDENTIAL DOCUMENT.

THIS DRAWING AND ALL INFORMATION SHOWN

HEREON ARE THE EXCLUSIVE PROPERTY OF BALLY REFRIGERATED BOXES INC., AND ARE

SUBMITTED ONLY ON A CONFIDENTIAL BASIS

AND THAT NO DISCLOSURE OF THE DRAWING

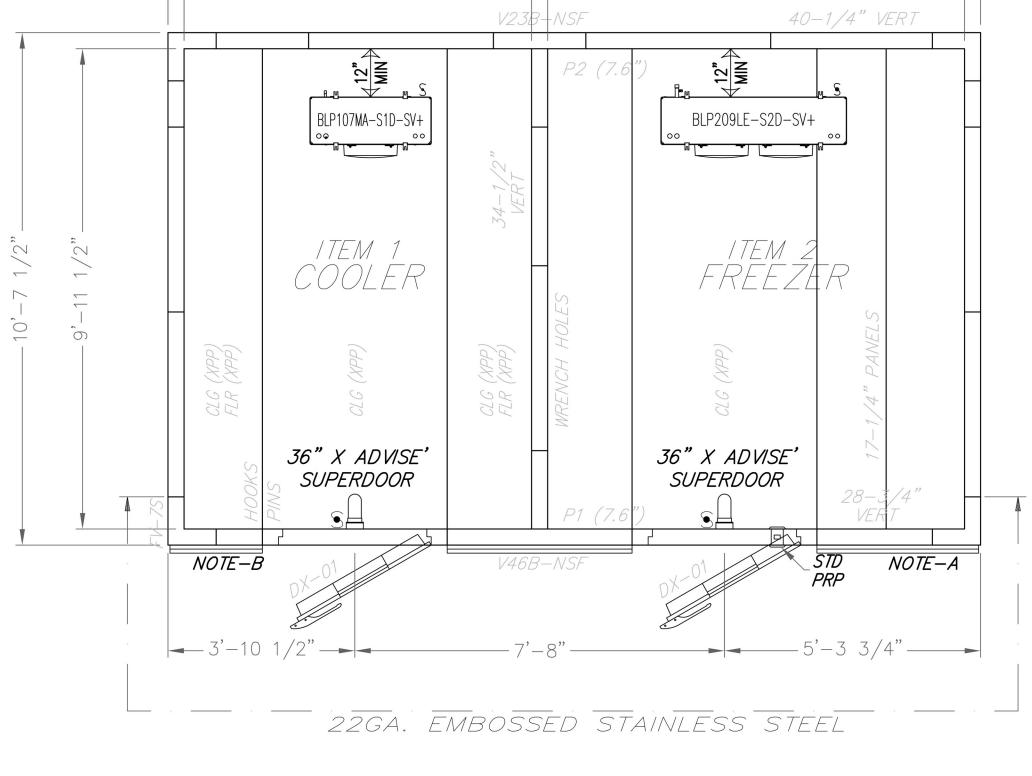
THE RECIPIENT AGREES NOT TO REPRODUCE

- NOTE A: BALLY TO FURNISH 16GA STAINLESS STEEL RUB RAIL MOUNTED ON EXTERIOR AS SHOWN. SEE INSTRUCTION MANUAL F-453.
- NOTE B: BALLY TO FURNISH 1/8" ALUMINUM DIAMOND TREAD 36"H WAINSCOT TO COVER EXPOSED EXTERIOR AS SHOWN.
- BALLY TO FURNISH ST CLOSURE TRIM. PLEASE ADVISE SIZE AND QUANTITY. ALL FASTENERS AND INSTALLATION BY OTHERS.
- BALLY TO FURNISH #9787C NEW AGE ALUMINUM COVED BASE FOR EXPOSED EXTERIOR OF WALK—IN.
- BALLY TO FURNISH (2) BERNER CLCO8—1036AA AIR—CURTAINS. AIR—CURTAINS SHIPPED LOOSE AND INSTALLED IN FIELD BY
- BALLY TO FURNISH (2) 48" L.E.D. LIGHTS. LIGHTS SHIPPED

LOOSE AND MOUNTED AND WIRED BY OTHERS. (LIGHT SWITCH (12) AMPS MAX).

— TILE THICKNESS — TO STOP TILE CRACKS OVER BALLY FLOORS, BALLY RECOMMENDS MINIMUM 2" TILE AND SETTING BED.

SIGNED APPROVAL



- PLAN VIEW A -

SPECIFICA TIONS

16'-10 1/4" X 10'-7 1/2" X 9'-6"

INSTALLATION

LOADING HEIGHT — AT LEAST 18" OF OPEN SPACE MUST BE MAINTAINED BETWEEN TOP OF PRODUCT AND CEILING PANELS

INSULATION

- POURED IN-PLACE POLYURETHANE FOAM
- BALLY PANELS AND DOORS ARE CERTIFIED COMPLIANT WITH CURRENT FEDERAL DOE REGULATIONS FOR WALK IN COOLERS & FREEZERS - BALLY PANELS AND DOORS EXCEED MINIMUM R-VALUES* FOR COOLERS (MINIMUM R-25, EXCLUDING FLOORS), AND FREEZERS

(MIN. R-32, EXCEPT FLOORS, WHICH ARE MIN. R-28) *WHEN TESTED PER ASTM C518 TO FEDERAL REG. 431.304

EXTERIOR FINISH

- 22GA. EMBOSSED STAINLESS STEEL AS SHOWN - EMBOSSED GALVALUME REMAINDER
- INTERIOR FINISH
- WHITE POLYESTER CEILING - WHITE STUCCO ALUMINUM REMAINDER
- FLOOR FINISH

- (INTERIOR) GALVANIZED STEEL

- (EXTERIOR) EMBOSSED GALVALUME

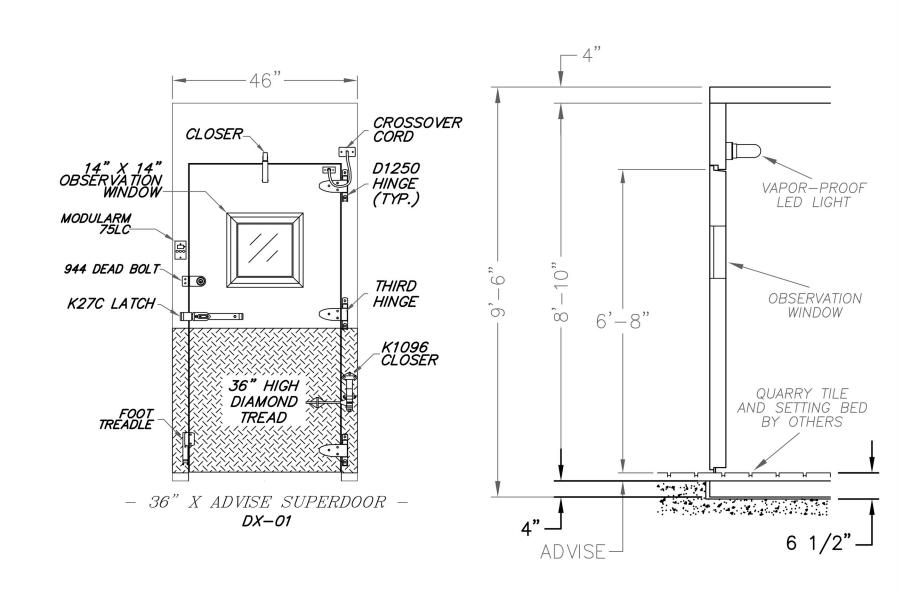
- DOORS/ACCESSORIES - (2) 36" X ADVISE' RIGHT SWING HINGED WALK-IN DOOR
- POLISHED HARDWARE - K1096 DOOR CLOSER
- K944 DEADBOLT
- K27C DEADBOLT LATCH - FOOT TREADLE
- SUPERDOOR: 3RD HINGE, DT INT & EXT 36"H
- MODULARM 75LC MULTI-MONITOR W/ MAGNETIC CONTACTS
- & MOTION DETECTOR
 14" x 14" HEATED OBSERVATION WINDOW - EXTERIOR CROSSOVER CORD
- (2) C/F COMPARTMENT SIGNS - (2) DOOR STOPS (SHIPPED LOOSE)
- 1/2" PLYWOOD REINFORCEMENT FOR MOUNTING AIR CURTAIN

REFRIGERATION - BY BALLY (CONDENSING UNIT MOUNTED OUTDOORS)

QTY	H/P	RFGT TYPE	MODEL NUMBER	POWER SUPPLY	COMPK RLA	ESSOR LRA	QTY	W MTI HP	RS FLA	TOTAL WATTS DEFROST	AMPS	MCA	MAX FUSE	CMP
1	1.0	R448A	BEZA007-H8-HS2DB	208-230/1/60	6.0	36.0	1		0.5		7.0	8.5	15	С
1			BLP107MA-S1D-SV+	115/1/60			1	1/15	1.0		1.0	1.3	15	C
1	2.5	R448A	BEZA025-L8-HT3DB	208-230/3/60	9.6	63	1		1.1		10.7	13.1	20	F
1			BLP209LE-S2D-SV+	208-230/1/60			2	1/15	0.6	1890	8.2	10.3	15	F
□ <i>F</i> 7	ALL CONDENSATION DRAIN LINES MUST BE SLOPED AT LEAST 1:12. 1" 12" INSTALLATION FREEZER CONDENSATION DRAIN LINES MUST BE HEATED, INSULATED AND TRAPPED INDIVIDUALLY. BY OTHERS ALL SPECIFICATIONS LISTED ABOVE ARE FOR INDIVIDUAL UNITS ONLY.													

- (2) CAT-5 50' CABLE - (2) FUSED DISCONNECT SWITCHES FOR CONDENSING UNITS

— NOTE — SMARTVAP+ REFRIGERATION REQUIRES TWO SEPARATE POWER SOURCES; ONE TO THE CONDENSING UNIT AND ONE TO THE SMARTVAP+ EVAPORATOR.



- SECTION VIEW -THRU ENTRANCE DOOR

SCALE: 1/2" = 1' - 0" SHEET 1 OF 1

IMPORTANT - PLEASE READ HESE DRAWINGS ARE NOT TO BE CONSIDERED AS APPROVED BY LOCAL OR STATE BUILDING AUTHORITIES. CENTENNIAL HS ELLICOTT CITY, MD OR THE INFORMATION SHOWN HEREON WILL BE MADE TO A THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT FROM BALLY REFRIGERATED

THIS DRAWING HAS BEEN CAREFULLY CHECKED BY OUR DRAFTING DEPARTMENT. HOWEVER, ERRORS OF INTERPRETATION CAN OCCUR. THEREFORE, BEFORE YOU RETURN DRAWING MARKED "APPROVED", BE CERTAIN THAT YOU CHECK THEM CAREFULLY. DRAWING NUMBER 223741AD DRAWN BY RJC ORDER NUMBER 223741 NOTE — THIS ORDER WILL NOT BE SCHEDULED FOR PRODUCTION UNTIL RECEIPT OF APPROVED DRAWINGS BY BALLY. DESCRIPTION



NYIKOS Foodservice Design Inc. 7146 Starmount Way **GARCIA** New Market, MD 21774 P 240.683.9530



10910 CLARKSVILLE PIKE ELLICOTT CITY, MD 21042

CENTENNIAL HS WALK-IN BOX REPLACEMENT

4300 CENTENNIAL LN ELLICOTT CITY, MD 21042

No.	Description	Date

REFRIGERATION **DETAILS**

22.098 Project Number Drawn By **AWL** Checked By K-501

ITEM #1: WALK-IN COOLER/FREEZER

QUANTITY: One (1) MANUFACTURER: Bally

Indoor Installation (N058) MODEL NO.:

PERTINENT DATA: 4" Foamed-In-Place Urethane Panels - Class I. NSF Construction

UTILITIES REQ'D: 1500W, 120V, 1PH; (2) 3/4" IW

ALTERNATE MFRS.: Kolpak; Thermo-Kool

Furnish and install per Equipment Plan, Sheet K-101; Building Conditions Plan, Sheet K-102; Manufacturer's Shop Drawing and the following:

Two-Section Unit, Centennial High School - 16'-10¹/₄" L x 10'-7¹/₂" D x 9'-6" H. Interior width: Cooler: 7'-7", Freezer: 9'-0".

Exterior Finish:

- -- 26 GA stucco embossed galvanized where unexposed.
- -- 22 GA stucco embossed stainless steel where exposed.

Interior Finish:

- -- White .040 stucco embossed aluminum walls.
- -- White acrylic enamel baked-on 26 GA smooth galvanized steel ceiling.

Interior Floor:

- -- 4" prefabricated floor panels installed in 6" deep floor recess over hot asphalt paper or 6 MIL polyethylene sheets on building floor slab.
- -- 2" setting bed with two (2) layers of wire reinforcing mesh fabric and quarry tile floor material with 6" high integral coved base, interior and exterior of box, installed over prefabricated floor panel by Tile Contractor.

Entrance Door:

- -- Two (2) flush-mounted, self-closing doors with 36"x 80" net opening, hinged per equipment
- -- Polished chrome camlift hinges with lift-off capability. Provide one (1) extra hinge per door,
- Kason #1236 polished chrome lever-action handle with knob-turn release and cylinder lock,
- Kason #09440004 polished chrome dead-bolt lock, factory mounted.
- Kason #109400003 hydraulic door closer.
- Standard 2" diameter dial thermometer factory mounted in door frame.
- -- Foot treadle door opener.
- -- 36" high aluminum diamond tread kickplates, interior and exterior, of door, frame and jambs.
- -- 14" x 24" heated observation windows, both doors.
- -- Kason #907 interior door handle, factory mounted with concealed metal backing plate.
- -- Round vinyl door bumper mounted to front exterior face to protect handle from puncturing wall when door in full open position.
- -- 12 gauge stainless steel heated threshold at each entrance door.
- -- Undercut doors for quarry tile floor.

ITEM #1: (Continued)

blue CAPITAL letters mounted on door above observation window; (1) – FREEZER, (1) COOLER. 6. Heated pressure relief port in freezer compartment.

-- Kason #1806 LED light fixture with high-impact plastic globe factory mounted centered

above door opening. Conceal conduit within header of door frame and extend to junction box

Engraved phenolic plastic compartment sign - 12" long x 2" high; white in color with 1" high

mounted on top of door panel.

- 7. Four (4) Kason #1810L21248LB 48" long LED light fixtures with shatter-proof high impact plastic covers centrally-mounted to walk-in ceiling; Two (2) for the freezer, two (2) for the cooler. Fixtures shipped loose and mounted by K.E.C.; final connection by Electrical Contractor. K.E.C. to seal and insulate with silicone sealant all knock-outs in fixture casing to prevent moisture infiltration.
- One (1) Modularm Model #75LC walk-in monitor system with #TK4 light control and panic button factory mounted in each door panel and inter-wired with building monitoring system, as required by Electrical Contractor. Provide engraved identification label mounted above each alarm.
- 9. Provide and install trim strips of matching exterior finish between ends of walk-in panels and building walls from floor to finished ceiling. K.E.C. to verify ceiling height.
- 10. Provide and install closure panels of matching exterior finish between top of walk-in and finished ceiling. K.E.C. to verify ceiling height.
- 11. All electrical conduit shall be run concealed <u>above</u> walk-in ceiling per Detail, Sheet K-104.
- 12. Evaporator coil drain lines shall be run to floor drain with P-trap on exterior of box by K.E.C.
- 13. Black flexible "Armaflex" insulation applied to exposed drain lines and fittings within interior of box by K.E.C.
- 14. Spiral heat tape applied to drain line within interior of freezer compartment prior to application of insulation by K.E.C. Drain line heating cable shall be installed for continuous 24-hour operation.
- 15. Coordinate location of sprinkler head drops and provide penetrations, where necessary.
- 16. Seal and insulate all openings to prevent infiltration of warm air into cooler/freezer compartments.

17. Accessories:

- Two (2) Kolpak #HAR-C2-N1 air shields with magnetic activation switch, factory-mounted vertically, adjacent to the hinge side of each doors on the interior wall surface. Electrical Contractor to provide power receptacle and final connection.
- #16 ga. stainless steel hat-channel bumper rail with closed ends installed to front face of walk-in, full-length, mounted @ 36" A.F.F. Provide 1/8" diamond tread kickplates from top of finish floor coved base to bottom of bumper rail. Align bumper rail with 36" high aluminum kickplate on doors.

ITEM #3: (Continued)

- Condensing Unit: Factory Pre-Assembled, Scroll, Low Temperature, R-448A.
- System located outdoors on roof. Curb with pitch-pocket furnished and installed by Contractor. Refer to Mechanical Plan, Sheet M-141 for exact location.
- Complete winterization package and condensing unit weatherproof cover.
- Overall size: 36\%" L x 30\%" W x 19\%" H.
- Weight: 335 lbs.
- Evaporator Coil with High-Efficiency EC Motors: Low-Profile, End-Mount Type, Model BLP209LE-S2D, 1.4A, 208V, 1PH (Fan); 10.3A, 208V, 1PH (Defrost Heater)
- -- System to operate at -10° F.
- -- Surveillant Demand Defrost Controller to consist of a microprocessor driven controller that reduces the energy used by the evaporator coil in refrigeration system through precise control of superheat, fan management and demand defrosts, factory-mounted.
- -- Furnish Cat5 cable and interwire to building monitoring system by Electrical Contractor.
- Complete refrigeration system warrantee: five (5) years for the compressor, Two (2) years for the condensing unit, and Two (2) years for all parts of the evaporator coil.
- Factory installed main-fused disconnect switch.

ITEM #4: DUNNAGE RACK, MOBILE

Centennial HS – Four (4) QUANTITY: InterMetro Industries Corporation MANUFACTURER: MODEL NO.: MetroMax i (N058)

PERTINENT DATA: Open-Grid Shelf Mat, Heavy-Duty Assembly, Wire, With Metroseal 3TM Epoxy-Coated Finish UTILITIES REQ'D:

ALTERNATE MFRS.: None

Furnish and set-in-place per Equipment Plan, Sheet K-101; Manufacturer's Instructions and the following:

<u>Cooler</u>:

1. Two (2) #MHP33K3 units, 18" W x 36" L.

<u>Freezer</u>:

1. Two (2) #MHP33K3 units, 18" W x 36" L.

ITEM #5: SHELVING, MOBILE

QUANTITY: Centennial HS – Ten (10) MANUFACTURER: InterMetro Industries Corporation

MODEL NO.: MetroMax i (N058) PERTINENT DATA: Four-Tier High, Open-Grid Shelf Mat, Polymer UTILITIES REQ'D: ----

ALTERNATE MFRS.: None

Furnish and set-in-place per Equipment Plan, Sheet K-101; Manufacturer's Instructions and the following:

Centennial HS Cooler:

- 1. Three (3) #MX1836G sections; 18" W x 36" L x 4-tier high.
- 2. Two (2) #MX1848G sections; 24" W x 54" L x 4-tier high.
- 3. Twenty (20) #MX63UP posts for stem casters, 61-3/16" high.
- 4. Ten (10) #5MPX polyurethane swivel casters with bumpers.
- 5. Ten (10) #5MPBX polyurethane swivel casters with brakes and bumpers.
- 6. Plastic wedge lock connectors, quantity as required.
- 7. Locate bottom shelf @ 10" A.F.F.; space remaining shelves equally.

Centennial HS Freezer:

- 1. One (1) #MX1836G section; 18" W x 36" L x 4-tier high.
- 2. Four (4) #MX1848G sections; 24" W x 54" L x 4-tier high.
- 3. Twenty (20) #MX63UP posts for stem casters, 61-3/16" high.
- 4. Ten (10) #5MPX polyurethane swivel casters with bumpers.
- 5. Ten (10) #5MPBX polyurethane swivel casters with brakes and bumpers.
- 6. Plastic wedge lock connectors, quantity as required.
- 7. Locate bottom shelf @ 10" A.F.F.; space remaining shelves equally.

ITEM #2: COOLER REFRIGERATION SYSTEM

QUANTITY: One (1) MANUFACTURER: Bally

BEZA007H8-HS2D (N058) MODEL NO.:

PERTINENT DATA: EZ-Line, Air Cooled, Outdoor Installation, Remote, With SmartVap+ Evaporator

With EEV UTILITIES REO'D: 8.5A, 208V, 1PH

ALTERNATE MFRS.: RDT; Omni-Temp; Coldzone

Furnish and install per Equipment Plan, Sheet K-101; Manufacturer's Shop Drawing and the following:

- 1. Condensing Unit: Factory Pre-Assembled, Scroll, Medium Temperature, R-448A.
- 2. System located outdoors on roof. Curb with pitch-pocket furnished and installed by Contractor. Refer to Mechanical Plan for exact location.
- 3. Complete winterization package and condensing unit weatherproof cover.
- 4. Overall size: 24\%" L x 30\%" W x 19\%" H.
- 5. Weight: 183 lbs.
- 6. Evaporator Coil with High-Efficiency EC Motors: Low-Profile, End-Mount Type, Model BLP107MA-S1D; 1.3A, 120V, 1PH
- -- System to operate at $+35^{\circ}$ F. -- Furnished complete with thermostat, solenoid and expansion valves factory mounted ready for final connection by Refrigeration Contractor.
- -- SmartVap+ and Air Defrost Electronic Controller with remote monitoring and diagnostics consisting of a microprocessor driven controller, sensors and an optional Electronic Expansion Valve (EEV) factory-installed.
- -- Furnish Cat5 cable and interwire to building monitoring system by Electrical Contractor.
- 7. Complete refrigeration system warrantee: five (5) years for the compressor, Two (2) years for the condensing unit, and Two (2) years for all parts of the evaporator coil.
- 8. Factory installed main-fused disconnect switch.

ITEM #3: FREEZER REFRIGERATION SYSTEM

QUANTITY: One (1)

MANUFACTURER: Bally

BEZA025L8-HT3D (N058) MODEL NO.:

ALTERNATE MFRS.: RDT; Omni-Temp; Coldzone

PERTINENT DATA: EZ-Line, Air Cooled, Outdoor Installation, Remote, With SmartVap+ Evaporator

Furnish and install per Equipment Plan, Sheet K-101; Manufacturer's Shop Drawing and the following:

UTILITIES REQ'D: 13.1A, 208V, 3PH

With EEV

NYIKOS Foodservice Design Inc. 7146 Starmount Way **GARCIA** New Market, MD 21774 P 240.683.9530



10910 CLARKSVILLE PIKE ELLICOTT CITY, MD 21042

CENTENNIAL HS WALK-IN BOX REPLACEMENT

4300 CENTENNIAL LN ELLICOTT CITY, MD 21042

1 -	 	

Description

No.

Date

SPECIFICATIONS

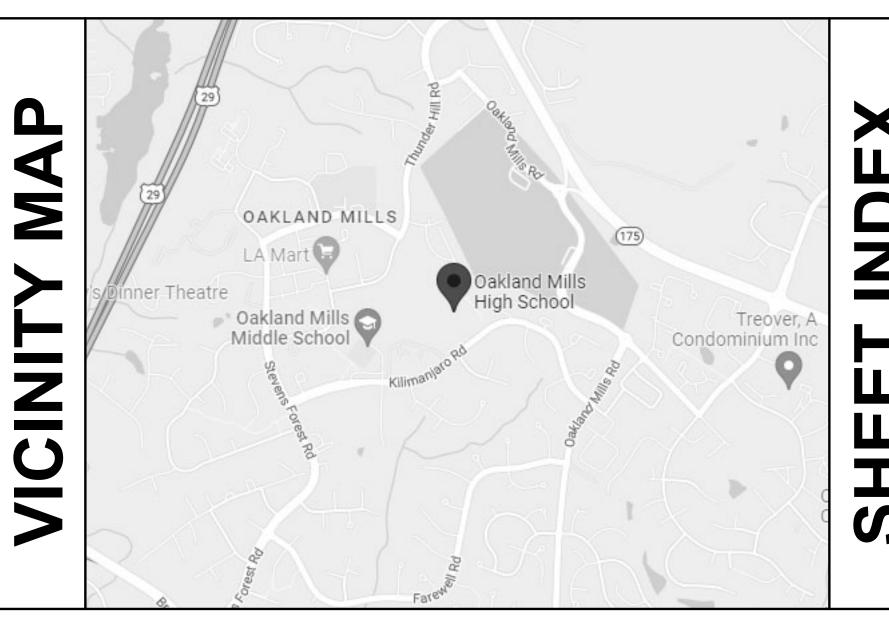
22.098 **Project Number** Drawn By **Author** Checked By Checker K-502

END OF SECTION 114000

HOWARD COUNTY PUBLIC SCHOOLS OAKLAND MILLS HIGH SCHOOL WALK-IN BOX REPLACEMENT 9410 KILIMANJARO ROAD, COLUMBIA, MARYLAND, 21045

NYIKOS-GARCIA FOODSERVICE DESIGN INC. PROJECT NUMBER 22.097

BID SET



K-000: WALK-IN BOX COVER SHEET

K-101: WALK-IN BOX EQUIPMENT PLAN

K-102: BUILDING CONDITIONS PLAN

K-103: PLUMBING ROUGH-IN PLAN

K-104: ELECTRICAL ROUGH-IN PLAN

K-501: REFRIGERATION DETAILS

K-502: SPECIFICATIONS





10910 CLARKSVILLE PIKE ELLICOTT CITY, MD 21042

OAKLAND MILLS HS WALK-IN BOX REPLACEMENT

9410 KILIMANJARO RD COLUMBIA, MD 21045

NO.	Description	Date

WALK-IN BOX COVER SHEET

Project Number

Date

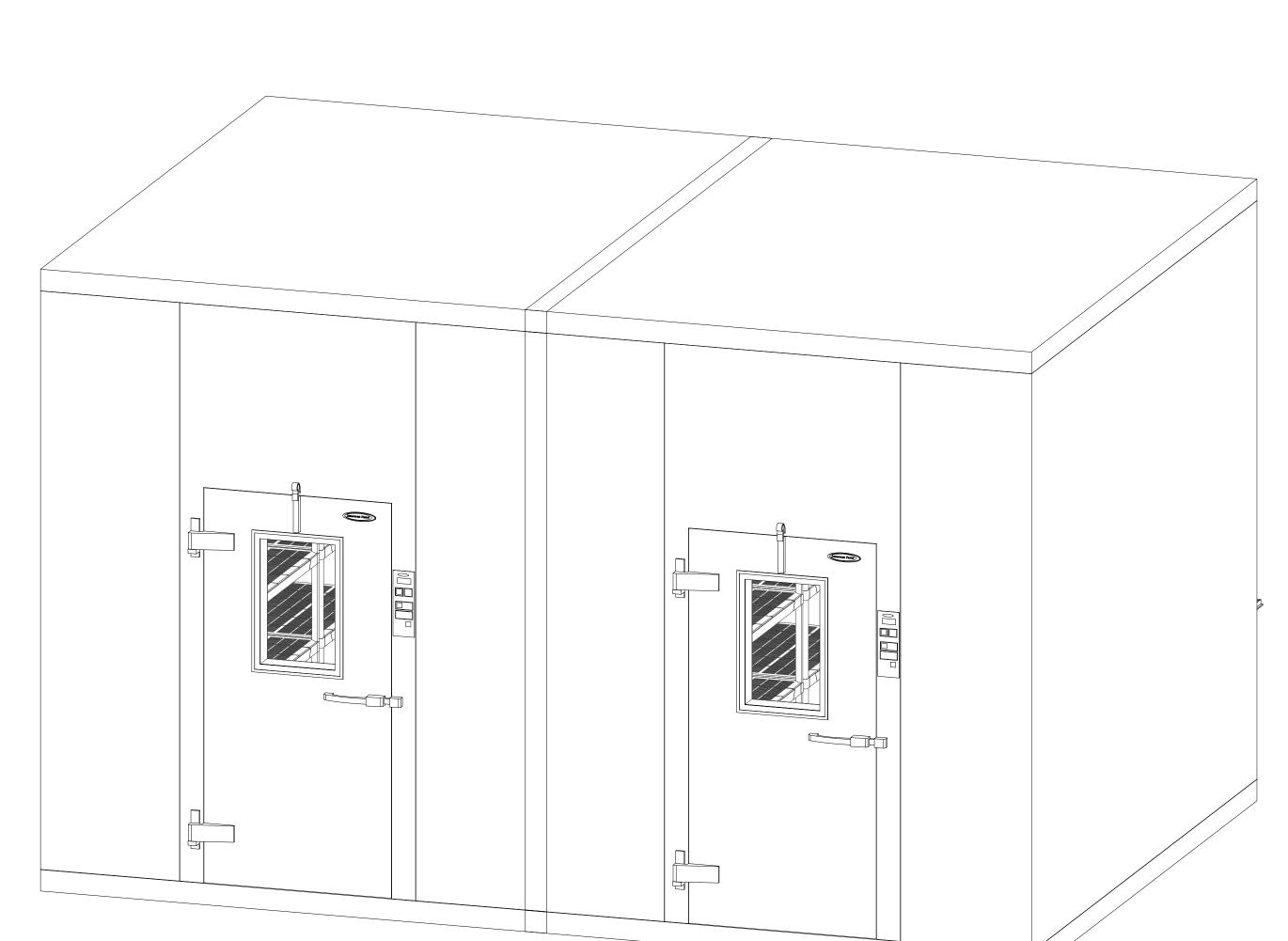
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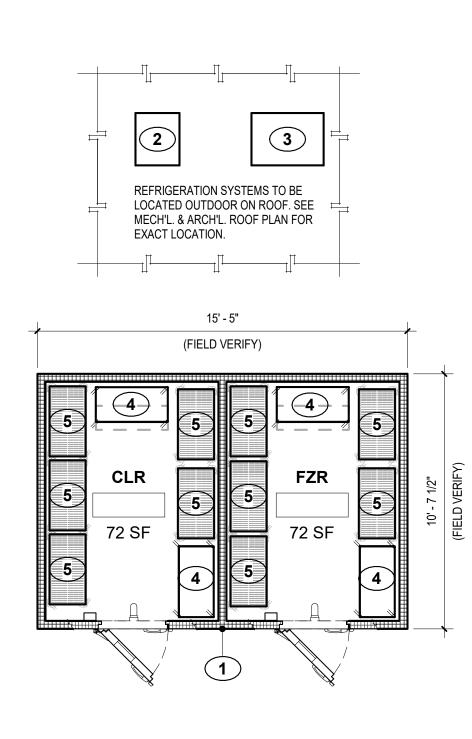
Checked By

AWL

JEG

K-000





WALK-IN BOX EQUIPMENT PLAN
SCALE: 1/4"=1'-0"

	EQUIPMENT SCHEDULE							
ITEM	QTY.	DESCRIPTION	REMARKS					
1	1	WALK-IN COOLER/FREEZER	W/ AIR CURTAINS, 9'-6" OVERALL HEIGHT					
2	1	COOLER REFRIGERATION SYSTEM	LOCATED OUTDOORS ON ROOF					
3	1	FREEZER REFRIGERATION SYSTEM	LOCATED OUTDOORS ON ROOF					
4	5	DUNNAGE RACK, MOBILE						
5	10	SHELVING, MOBILE						

THE USE OF SEALANTS IN FOOD SERVICE EQUIPMENT

- ALL SEALANTS MUST BE LISTED AS APPROVED BY THE NATIONAL SANITATION FOUNDATION (NSF) UNDER 51.
 SEALANTS SHALL BE USED ONLY ON STRUCTURALLY SOUND JOINTS AND SEAMS.
- 3. SEALANTS MAY BE USED TO FILL SPACES AND OPENINGS SUCH AS, BUT NOT LIMITED TO, BLIND RIVET HEADS AND SLOT AND PHILLIPS HEAD SCREWS.
- 4. OPENINGS AROUND SERVICE AND UTILITY LINES SHOULD BE CLOSED INSOFAR AS PRACTICAL BY:
 A. COLLARS AND GROMMETS.
 B. FLEXIBLE FORM GASKETS.
- 5. SEALANTS MAY BE USED TO SEAL SERVICE AND UTILITY LINES TO WALL AND ADJACENT PIECES OF EQUIPMENT WHERE THE SPACING IS. CLOSED TO LESS THAN 1/8 OF INCH.
- 6. SEALANTS MAY NOT BE UTILIZED IN FOOD AND SPLASH CONTACT SURFACES, TO FILL OPEN SPACES, OR VOIDS WHICH RESULT DUE TO IMPROPER DESIGN OR FABRICATION. ANY OPENING IN EXCESS OF 1/8 INCH SHALL BE CONSIDERED EXCESSIVE AND MUST BE CLOSED USING PROPER FIELD JOINTS.

DEMOLITION NOTES

- D1. DEMOLISH AND REMOVE FROM PROPERTY EXISTING WALK-IN BOXES AND ALL ASSOCIATED COMPONENTS BY K.E.C.
 D2. EXISTING EVAPORATOR COIL(S) INSIDE EACH COMPARTMENT AND ASSOCIATED REFRIGERATION PIPING TO BE DEMOLISHED & REMOVED FROM PROPERTY BY K.E.C.
- D3. EXISTING REFRIGERATION RACK SYSTEM AND ASSOCATED REFRIGERATION PIPING TO BE REMOVED FROM PROBBY K.E.C.
- D4. EXISTING FLOORING IN & AROUND WALK-IN BOXES TO BE DEMOLISHED & REMOVED FROM PROPERTY BY G.C.
- D5. NEW FLOORING IN & AROUND WALK-IN BOXES TO BE FURNISHED & INSTALLED BY OTHERS.

GENERAL HEALTH DEPARTMENT NOTATIONS

- ALL PIPING, CONDUIT, BX CABLE AND SIMILAR CONSTRUCTION WILL BE EITHER LOCATED INSIDE A WALL OR INSTALLED WITH A MINIMUM 3/4" SPACE FROM THE WALL OR SEALED TO THE WALL.
- ALL FLOOR MOUNTED EQUIPMENT WILL BE PLACED ON NATIONAL SANITATION FOUNDATION (NSF)
 APPROVED SIX (6) INCH LEGS, OR THE EQUIVALENT, AND PROPERLY SPACED FROM ADJACENT
 EQUIPMENT OR WALLS; OR PLACED ON NSF APPROVED CASTERS, OR THE EQUIVALENT; OR
 PROPERLY SEALED TO ALL ADJACENT SURFACES.
- 3. ALL ANNULAR OPENINGS IN CONSTRUCTION WILL BE SEALED TO WITHIN 1/32ND OF AN INCH.
- 4. ALL AISLES WILL BE A MINIMUM OF THIRTY-SIX (36) INCHES WIDE PER NATIONAL FIRE PROTECTION ASSOCIATION 101.
- 5. ALL PAINTING WILL BE WITH LEAD-FREE, NON-METALLIC ENAMEL PAINT OR A HIGH QUALITY VARNISH.
- 6. WASTE WATER FROM ALL APPLICABLE FOODSERVICE EQUIPMENT WILL BE INDIVIDUALLY PLUMBED TO AN OPEN SITE DRAIN WITH A MINIMUM ONE INCH AIR GAP.

GENERAL NOTES

- K.E.C. TO COORDINATE WITH G.C. FOR ALL INSTALLATION DETAILS AND SCHEDULES.
 SCHEDULE WILL BE PROVIDED AND MAINTAINED BY CM.
- 3. COORDINATE WITH ARCHITECTURAL DOCUMENTS TO BE PROVIDED.



Foodservice Design 7146 Starmount W RCIA New Market, MD 27 P 240.683.9530



10910 CLARKSVILLE PIKE ELLICOTT CITY, MD 21042

OAKLAND MILLS HS WALK-IN BOX REPLACEMENT

9410 KILIMANJARO RD COLUMBIA, MD 21045

No.	Description	Date

WALK-IN BOX EQUIPMENT PLAN

Project Number 22.097

Date

Drawn By

Checked By

JEG

K-101

1/4" — 1

WALK-IN BOX EQUIPMENT PLAN SCALE: 1/4"=1'-0"

BUILDING CONDITIONS NOTE:

FLOOR DEPRESSION

BUILDING CONDITIONS NOTE:

- ALL WORK INDICATED ON THIS PLAN AND IN THESE NOTES SHALL BE BY OTHER THAN.
 THE KITCHEN EQUIPMENT CONTRACTOR, UNLESS NOTED BY "K.E.C.".
 WALLS, FLOORS AND CEILINGS IN KITCHEN, PREP, SERVICE, AND DISHWASHING AREAS,
 OR ANY OTHER LOCATION WHERE FOOD OR BEVERAGES ARE PREPARED, SHALL BE
 SMOOTH, EASILY- CLEANABLE, NON-ABSORBANT, AND DURABLE. WALLS AND CEILINGS
 SHALL BE LIGHT COLORED.
 PARTITION WALLS BETWEEN KITCHEN AREAS AND PUBLIC AREAS SHALL BE
- CONTRUCTED FOR MAXIMUM SOUND CONTROL.

 4. FLOOR LOADING CAPACITY SHALL BE A MINIMUM OF 100 LBS. PER SQUARE FOOT OR AS
- REQUIRED BY LOCAL CODES.

 5. GENERAL CONTRACTOR (G.C.), OR EQUIVALENT SHALL:
 A. PROVIDE IN-WALL REINFORCING OR BACKING, AS REQUIRED, FOR WALL-MOUNTED
- EQUIPMENT; COORDINATE WITH K.E.C.

 B. SLOPE FLOOR TO FLOOR SINKS, FLOOR DRAINS, OR FLOOR TROUGHS.

 C. PROVIDE DOOR/WALL OPENINGS AND/OR PASSAGES TO ASSURE ACCESS FOR ALL
- C. PROVIDE DOOR/WALL OPENINGS AND/OR PASSAGES TO ASSURE ACCESS FOR ALL KITCHEN EQUIPMENT. COORDINATE OPENING REQUIREMENTS WITH K.E.C.

 D. PROVIDE WALK-IN COOLER/FREEZER DEPRESSIONS, SMOOTH AND TRANSIT-LEVEL, WHERE DEPRESSIONS ARE REQUIRED. DEPTH AS NOTED.
- WHERE DEPRESSIONS ARE REQUIRED. DEPTH AS NOTED.

 E. FILL EXCESS DEPRESSIONS AROUND WALK-IN COOLER/FREEZER WITH GROUT,
 FINISH FLOOR MATERIAL, AND COVED BASE, AFTER COOLER/FREEZER IS INSTALLED BY
- K.E.C. F. PROVIDE SOLID MASONRY CURBS WITH TROWEL-SMOOTH AND LEVEL FINISH. G. PROVIDE COVED-BASE MOLDING OR COVED INTEGRAL FLOOR MATERIALS AS REQUIRED AT ALL VERTICAL SURFACES OF KITCHEN FLOORS.

— #20 GA. S/S TOP

NOTE! ROOF LINE

-- PROVIDE SHEET METAL HAT SECTION

W/WATER-TIGHT SOLDERED JOINTS

NOTE! SEE ARCHITECTURAL & MECHANICAL

ROOF CURB DETAIL

DRAWINGS FOR ADDITIONAL DETAILS.

-- BACK-FILL CURB OPENING W/HOT

PITCH AFTER INSTALLATION

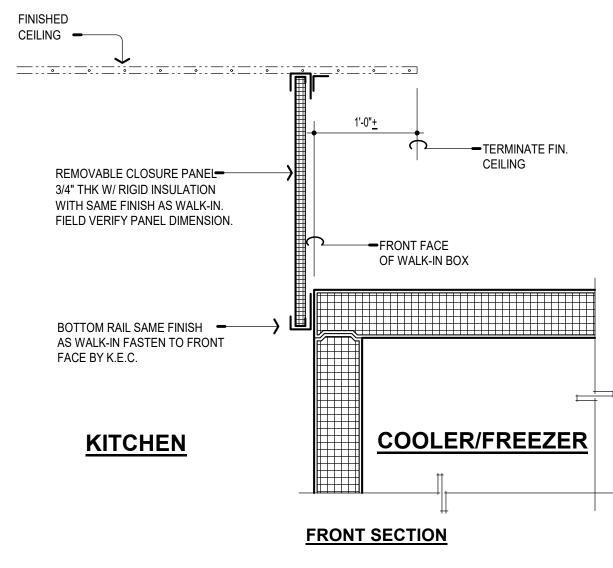
SCALE: NTS.

-- PLATFORM TO BE 12" HIGH & LEVEL IN BOTH DIRECTIONS

DECKING

16" O.C. -

2x12 FRAME (ALL SIDES)



WALK - IN CLOSURE PANEL DETAIL

THE FLOOR SHOULD BE FLAT OR SLOPE AWAY FROM THE DOOR APPROXIMATELY 40"

NOTE:

WHEN QUARRY TILES ARE USED, THE FINISHED FLOOR CANNOT BE HIGHER THAN THE THRESHOLD IN FRONT OF THE WALK-IN DOOR.

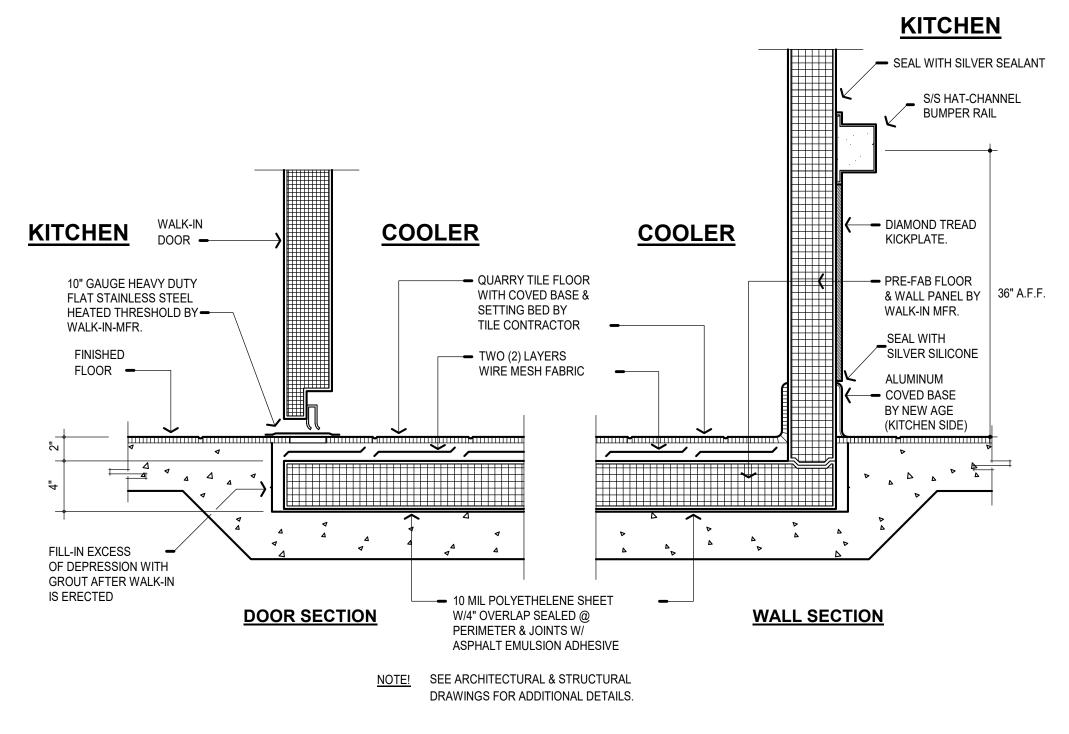
IF THE FLOOR IS HIGHER THAN THE DOOR, THE DOOR WILL DRAG ON THE FLOOR AND NOT CLOSE. THE DOOR SWEEP WILL ALSO BE DAMAGED.

NOTE:

KEEP THE WALK IN DOORS OPEN WHEN INSTALLING THICKSET, TILE AND GROUT. THE OFF GASSES WILL DAMAGE THE FITTINGS AND WALL

WALK-IN COOLER/FREEZER DOOR CLEARANCE

SCALE: NTS.



WALK-IN FLOOR DETAIL SCALE: NTS.



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OAKLAND MILLS HS WALK-IN BOX REPLACEMENT

9410 KILIMANJARO RD COLUMBIA, MD 21045



BUILDING CONDITIONS PLAN

Project Number 22.097

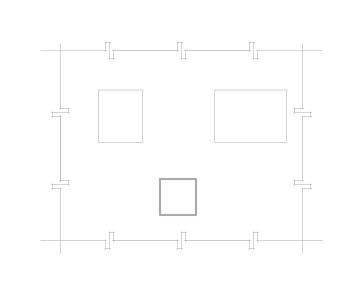
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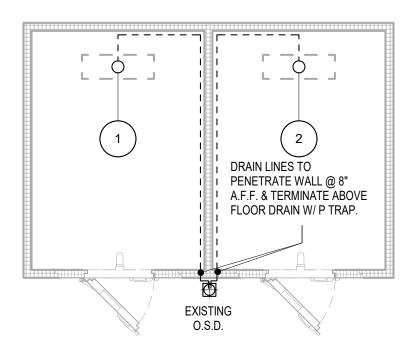
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Checked By JEG

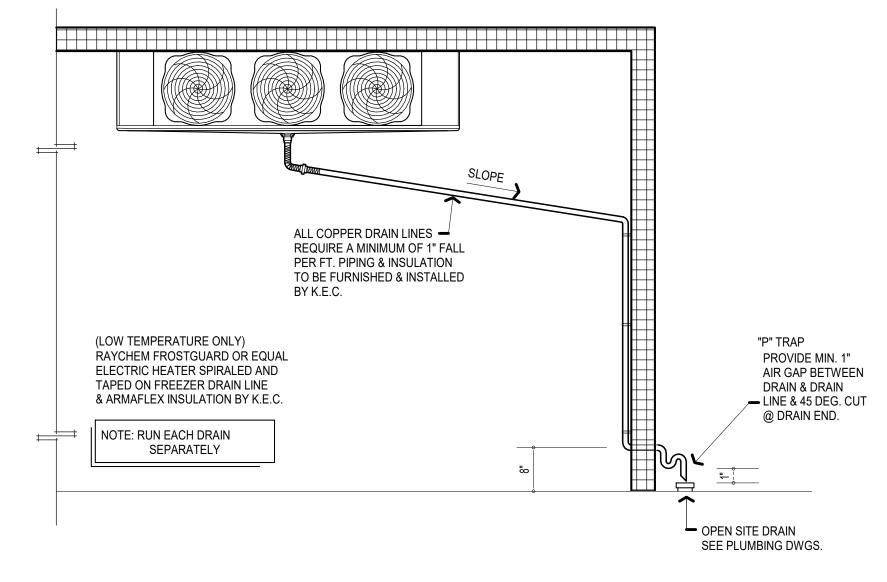
K-102

1/4" = 1'-





WALK-IN BOX EQUIPMENT PLAN SCALE: 1/4"=1'-0"



EVAPORATOR COIL DRAIN DETAIL

PLUMBING SCHEDULE									
	WA	ΓER	WA	STE		CON	٧.		
R.I. #	HW	CW	DIR	IND	R.I. HGT. A.F.F.	SIZE	HEIG HT	DESCRIPTION	EQ. #
1				3/4"		3/4"	84"	COOLER BLOWER COIL DRAIN	1
2				3/4"		3/4"	84"	FREEZER BLOWER COIL DRAIN	1

PLUMBING SYMBOLS						
ABBREVIATION	SYMBOL	DESCRIPTION				
IW	O	INDIRECT WASTE				
O.S.D.	- 	OPEN SITE DRAIN (STORM WATER)				
R.I. #	#	ROUGH-IN NUMBER (SEE PLUMBING SCHEDULE)				
P.C.		PLUMBING CONTRACTOR				
K.E.C.		KITCHEN EQUIPMENT CONTRACTOR				

PLUMBING KITCHEN GENERAL NOTES:

- ALL OUTLETS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE FIXTURES AND EQUIPMENT ONLY. SEE ARCHITECTURAL/ENGINEERING PLANS FOR ADDITIONAL
- THIS PLUMBING PLAN IS INTENDED TO SHOW ROUGH-IN LOCATIONS AND HEIGHTS, CONNECTION SIZES, POSITIONS, HEIGHTS AND LOAD REQUIREMENTS. DIMENSIONS SHOWN ARE FROM FINISHED FLOORS AND FINISHED WALLS. VERIFY WALL PARTITION
- LOCATIONS WITH ARCHITECTURAL DRAWINGS.

 3. FINAL CONNECTIONS TO ALL EQUIPMENT SHALL BE BY PLUMBING CONTRACTOR INCLUDING REQUIRED MATERIALS SLICH AS STOPS MIXING VALVES FILTERS TRAPS
- INCLUDING REQUIRED MATERIALS SUCH AS, STOPS, MIXING VALVES, FILTERS, TRAPS, CHECK VALVES, PIPING, TUBING, ETC. TO ASSURE PROPER OPERATION ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND LOCAL CODES.

 4. PLUMBING CONTRACTOR (P.C.), OR EQUIVALENT, SHALL FURNISH AND INSTALL THE FOLLOWING:
- A. ALL WATER, WASTE, AND GAS SERVICE TO POINT OF ROUGH-IN AS SHOWN ON PLAN. ROUGH-IN OUTLETS TO STUB 4" OUT OF WALLS AT HEIGHT INDICATED FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. FLOOR ROUGH-INS TO STUB UP 2" ABOVE FINISHED FLOOR OR CURBS. ALL FLOOR OPENINGS/PENETRATIONS ARE TO BE SEALED WATERTIGHT.

 B. ALL WASTE LINES, DIRECT OR INDIRECT, EXCEPT AS NOTED. MINIMUM DIAMETER OF LINE SHALL BE AS INDICATED ON PLAN REGARDLESS OF CONNECTION SIZE, AND SHALL BE PITCHED DOWNINGED. MAINTAIN DRAINLINES AS HIGH AS POSSIBLE ABOVE ELOOR FOR SANITATION AND
- DOWNWARD. MAINTAIN DRAIN LINES AS HIGH AS POSSIBLE ABOVE FLOOR FOR SANITATION AND AND CLEANING. ALL WASTE LINES SHALL HAVE ADEQUATE CLEAN-OUT PROVISIONS.

 C. INDIRECT WASTE LINES FOR WALK-IN COOLER/FREEZER BLOWER COILS SHALL BE PITCHED 1" PER FOOT OF HORIZONTAL RUN, AND TERMINATE WITH A P-TRAP OVER FLOOR SINK OR APPROVED RECEPTER WITH VACUUM BREAK AS REQUIED BY LOCAL CODE.

 ALL LINES ROUTED THROUGH EQUIPMENT SHALL NOT INTERFERE WITH INTENDED USE OF, OR SERVICING OF EQUIPMENT.



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9410 KILIMANJARO RD COLUMBIA, MD 21045

No.	Description	Date

PLUMBING ROUGH-IN PLAN

Project Number 22.097

Date

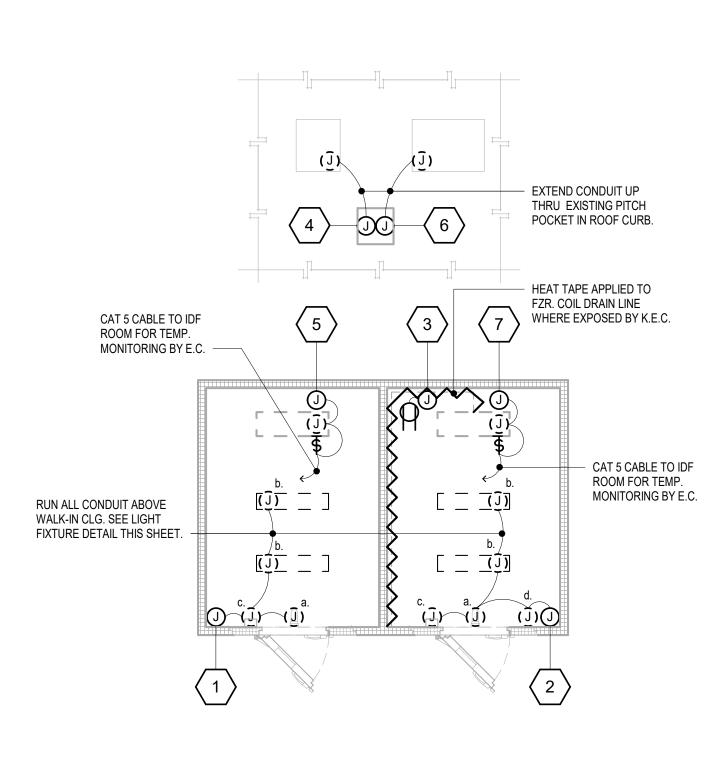
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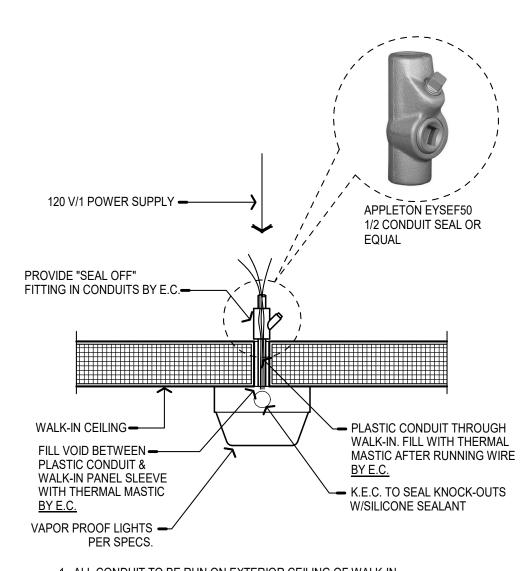
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K-103

1/4" = 1



WALK-IN BOX EQUIPMENT PLAN



- ALL CONDUIT TO BE RUN ON EXTERIOR CEILING OF WALK-IN.
 ALL PENETRATIONS THRU WALK-IN ARE TO BE SEALED WITH
- THERMAL MASTIC BY E.C.

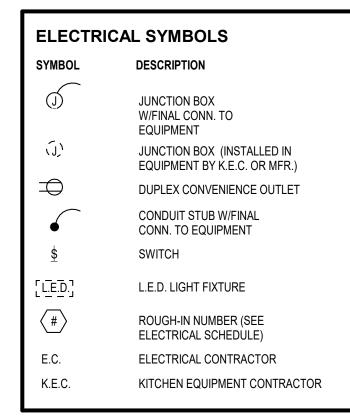
 3. LIGHT FIXTURES TO BE SHIPPED LOOSE & INSTALLED BY K.E.C.
- FINAL CONNECTION BY ELECTRICIAN.

 4. NO METAL CONDUIT INSIDE WALK-IN BOX
- 4. NO METAL CONDUIT INSIDE WALK-IN BOX.5. ALL CONDUIT KNOCK OUTS IN LIGHT FIXTURE TO BE SEALED W/SILICONE SEALANT BY K.E.C.

WALK-IN LIGHT
INSTALLATION DETAIL
SCALE: NTS.

	ELECTRICAL SCHEDULE											
R.I.#	HP KW	AMP	VOLTS	PH	R.I. HGT. A.F.F.	DESCRIPTION	E.Q. NO.	CORD & PLUG	E.C. TO PI	DISC.	J.E	
1					114"	BRANCH TO:	1				0	
1a	1.5 KW		120	1		DOOR LIGHT, HEATER, ALARM	1					
1b	32W (2)		120	1		L.E.D. LIGHT FIXTURE (2)	1					
1c		1.50	120	1	114"	AIR SHIELD	1				C	
2					114"	BRANCH TO:	1				C	
2a	1.5 KW		120	1		DOOR LIGHT, HEATER, ALARM	1					
2b	32W (2)		120	1		L.E.D. LIGHT FIXTURE (2)	1					
2c		1.50	120	1	114"	AIR SHIELD	1				C	
2d	.100		120	1		HEATED RELIEF PORT	1					
3	.150		120	1		DRAIN LINE HEAT TAPE RECEP.	1		0			
4		8.5	208	1	STUB	COOLER COMPRESSOR RACK	2			0		
5		1.3	120	1	114"	COOLER BLOWER COIL	2					
6		13.1	208	3	STUB	FREEZER COMPRESSOR RACK	3			0		
7		10.3	208	1	114"	FREEZER BLOWER COIL	3					

1.) SEE MECH'L. SHEET FOR EXACT LOCATION. ITEM FURNISHED W/MAIN-FUSED DISCONNECT SWITCH.



KITCHEN ELECTRICAL GENERAL NOTES:

- ELECTRICAL SYSTEM IS DESIGNED FOR 120/208 VOLT, 3-PH; 480 VOLT, 3-PH, 4-WIRE, 60 HERTZ.
 ALL OUTLETS AND CONNECTIONS SHOWN RELATE TO FOODSERVICE FIXTURES AND EQUIPMENT ONLY. SEE ARCHITECTURAL/ENGINEERING PLANS FOR ADDITIONAL ELECTRICAL REQUIREMENTS.
 THIS ELECTRICAL PLAN IS INTENDED TO SHOW ROUGH-IN OUTLET TYPES, HEIGHTS AND LOCATIONS, AND CONNECTION POSITIONS AND LOAD REQUIREMENTS. ALL DIMENSIONS SHOWN ARE FROM FINISHED WALLS AND FINISHED FLOORS. VERIFY FINISH WALL
- PARTITION LOCATIONS WITH ARCHITECTURAL DRAWINGS.

 4. ALL ELECTRICAL WORK FOR FABRICATED FOODSERVICE EQUIPMENT SHALL BE COMPLETELY WIRED BY THE FABRICATION CONTRACTOR TO A COMMON JUNCTION BOX, PULL BOX, OR CONTROL PANEL ON THE EQUIPMENT IN AN ACCESSIBLE POSITION. FINAL CONNECTIONS TO EQUIPMENT JUNCTION BOX OR PULL BOX, AND ALL ELECTRICAL WORK FROM MAIN PANEL BOARDS SHALL BE BY THE ELECTRICAL CONTRACTOR.

 5. FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHALL BE PERFORMED BY THE ELECTRICAL CONTRACTOR.
- FINAL CONNECTIONS TO ALL FOODSERVICE EQUIPMENT SHALL BE PERFORMED BY THE ELECTRICAL CONTRACTOR, INCLUDING MATERIALS.
 PIPING, CONDUIT, AND SIMILAR CONSTRUCTION, LOCATED OUTSIDE A WALL, MUST BE INSTALLED SO THAT THERE IS A MINIMUM OF 3/4 INCH SPACE BETWEEN IT AND THE WALL.
 ELECTRICAL CONTRACTOR (E.C.), OR EQUIVALENT, SHALL FURNISH AND INSTALL THE FOLLOWING:
- A. ALL JUNCTION BOXES, ELECTRICAL OUTLETS, COVER PLATES, SWITCHES, ETC. NOT BUILT INTO FIXTURES OR EQUIPMENT. ALL OUTLETS, JUNCTION BOXES, COVER PLATES, ETC. IN DISHROOMS OR AS INDICATED ON SCHEDULE SHALL BE MOISTURE-PROOF.

 B. ALL PLUGS AND CORDS AS NOTED ON SCHEDULE. ALL CORDS SHALL BE N.E.M.A. RATED AND U.L. APPROVED FOR MANUFACTURED AND FABRICATED EQUIPMENT.
- C. SHUNT-TRIP CIRCUIT BREAKERS OR DISCONNECTS FOR FIRE CONTROL SYSTEM SHUT-OFF OF FOODSERVICE EQUIPMENT BENEATH HOODS/VENTILATORS AS REQUIRED BY N.F.P.A.-96, LATEST EDITION, AND LOCAL CODES.

 D. DISCONNECTS OR OTHER DEVICES AS REQUIRED BY CODES.

 8. WHEN APPLICABLE, ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT AND WIRING, INSTALL ELECTRICAL COMPONENTS (PROVIDED BY K.E.C.), AND INTERWIRE BETWEEN THE FOLLOWING: A. REMOTE REFRIGERATION SYSTEMS TO EVAPORATOR COILS.
- B. WALK-IN COOLER/FREEZER LIGHTS (RUN CONDUIT ABOVE COMPARTMENT CEILING).
 C. REMOTE WALK-IN COOLER/FREEZER ALARM SYSTEMS (WHEN USED).
 D. CONTROL PANELS TO VENTILATORS AND EXHAUST/SUPPLY FANS PER MANUFACTURER'S INSTRUCTIONS.
 E. KITCHEN EXHAUST HOODS/VENTILATORS TO FIRE CONTROL SYSTEM, BUILDING

ALL ELECTRICAL CONDUIT PENETRATION ON WALK-IN BOX SHALL HAVE SEAL OFF FITTING FILL

ANNOUNCIATOR AND SHUT-OFF.

WITH THERMAL MASTIC FURNISH AND INSTALL BY E.C.



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OAKLAND MILLS HS WALK-IN BOX REPLACEMENT

9410 KILIMANJARO RD COLUMBIA, MD 21045

No.	Description	Date

ELECTRICAL ROUGH-IN PLAN

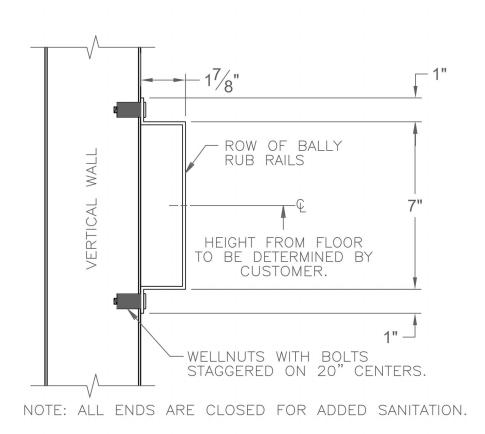
Project Number 22.097

Date

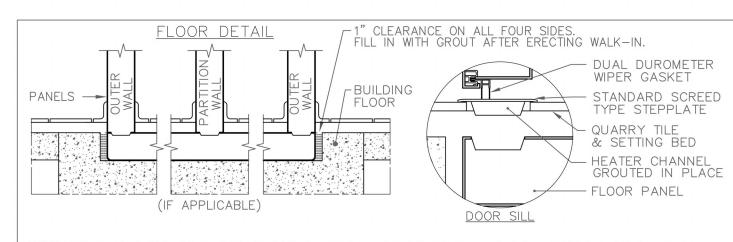
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Checked By JEG

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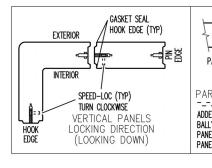
BALLY RUB RAILS (STAINLESS STEEL) (SEE BALLY DRAWING: F-453 FOR DETAILS)

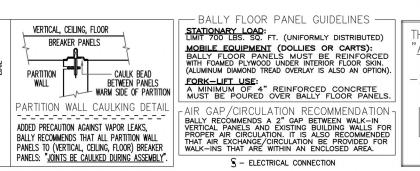


NOTE: BEARING SURFACE UNDER FLOOR PANELS MUST BE LEVEL AND DRY. BOTTOM OF PANELS MUST HAVE AT LEAST 80% CONTACT WITH FLOORS. NOTE: IF MOISTURE IS PRESENT UNDER BUILDING FLOOR, A VAPOR BARRIER MUST BE APPLIED

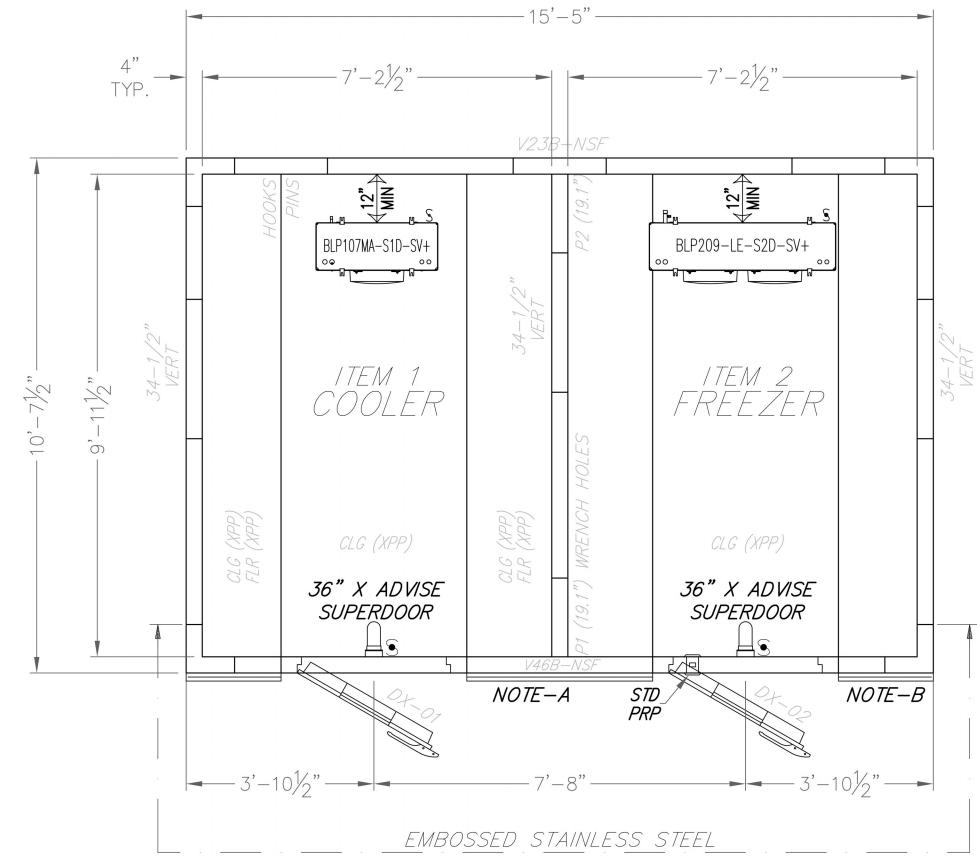
BETWEEN BUILDING FLOOR AND PREFAB PANELS. NOTE: BALLY TO FURNISH THE PREFAB SECTIONAL WALK-IN COOLER OR FREEZER ONLY (UNLESS OTHERWISE SPECIFIED). THIS INCLUDES WALLS AND CEILING PANELS.

NOTE: THESE DRAWINGS ARE INTENDED TO SERVE AS GUIDE LINE DRAWINGS ONLY.
THEY ARE NOT INTENDED TO BE CONSTRUCTION DRAWINGS AS CONDITIONS MAY VARY WIDELY. DIMENSIONAL AND MATERIAL DESIGN TO BE DETERMINED BY PROJECT CONSTRUCTION ENGINEER.





THIS DRAWING IS TO BE USED FOR > DO NOT USE THIS DRAWING FOR INSTALLATION!



- PLAN VIEW A -SCALE: 1/2" = 1' - 0"

GENERAL NOTES

RESTRICTED, CONFIDENTIAL DOCUMENT

THIS DRAWING AND ALL INFORMATION SHOWN

HEREON ARE THE EXCLUSIVE PROPERTY OF

BALLY REFRIGERATED BOXES INC., AND ARE

THE RECIPIENT AGREES NOT TO REPRODUCE

THE DRAWING, TO RETURN IT UPON REQUES

SUBMITTED ONLY ON A CONFIDENTIAL BASIS

- NOTE: A: BALLY TO FURNISH 16GA STAINLESS STEEL RUB RAIL MOUNTED ON EXPOSED EXTERIOR AS SHOWN. SEE INSTRUCTION MANUAL F-453. - NOTE B: BALLY TO FURNISH 1/8" ALUMINUM DIAMOND TREAD 48"H WAINSCOT TO ĆOVER EXPOSED EXTERIOR AS

BALLY TO FURNISH (2) BERNER CLC08—1036AA AIR CURTAINS. AIR—CURTAINS SHIPPED LOOSE AND INSTALLED IN FIELD BY OTHERS.

OTHERS. (LIGHT SWITCH (12) AMPS MAX). BALLY TO FURNISH #9787C NEW AGE ALUMINUM COVED BASE.

BALLY TO FURNISH CLOSURE TRIM. PLEASE ADVISE SIZE AND QUANTITY. FASTENERS AND INSTALLATION BY OTHERS.

OR THE INFORMATION SHOWN HEREON WILL BE MADE TO A THIRD PARTY WITHOUT PRIOR WRITTEN CONSENT FROM BALLY REFRIGERATED "APPROVED", BE CERTAIN THAT YOU CHECK THEM CAREFULLY.

SIGNED APPROVAL

PLEASE READ

NOTE — THIS ORDER WILL NOT BE SCHEDULED FOR PRODUCTION UNTIL RECEIPT OF APPROVED DRAWINGS BY BALLY.

BALLY TO FURNISH (2) 48" L.E.D. LIGHTS. LIGHTS SHIPPED LOOSE AND MOUNTED AND WIRED BY

— TILE THICKNESS— TO STOP TILE CRACKS OVER BALLY FLOORS, BALLY RECOMMENDS MINIMUM 2" TILE AND SETTING BED.

IMPORTANT - PLEASE READ HESE DRAWINGS ARE NOT TO BE CONSIDERED AS APPROVED BY LOCAL OR STATE BUILDING AUTHORITIES. T DRAWINGS AND SPECIFICATIONS DESCRIBE A BUILDING ASSEMBLED FROM BALLY PANELS INSULATED WITH URETHANE PAMED—IN—PLACE". THE SIZE AND SHAPE IS THAT WHICH MOST CLEARLY MEETS DIMENSIONS SUBMITTED BY THE USER. BALLY REFRIGERATED BOXES INC., PROVIDES PANELS FREQUENTLY SPECIFIED BY OTHERS, AND IS NOT RESPONSIBLE FOR THE SELECTION OR RECOMMENDATION BY OTHERS OF THE PANEL FINISH FOR ANY BUILDING OR WALK—IN APPLICATION.

D1250 HINGE (TYP.)

HINGE

36" HIGH

TREAD

- 36" X ADVISE SUPERDOOR

DX-01

DIAMOND

DRAWING 223739AD DRAWN BY RCB DESCRIPTION

THRU ENTRANCE DOOR SCALE: 1/2" = 1' - 0" SHEET 1 OF 1

VAPOR-PROOF

L.E.D. LIGHT

OBSERVATION

AND SETTING BED

BY OTHERS

- SECTION VIEW -

SPECIFICA TIONS

15'-5" X 10'-7 1/2" X 9'-6"

- POURED IN-PLACE POLYURETHANE FOAM

- 22GA. EMBOSSED STAINLESS STEEL AS SHOWN

- (2) 36" X ADVISE LEFT SWING HINGED WALK-IN DOOR

- K1236 LEVER HANDLE W/INSIDE KNOB RELEASE - SUPERDOOR: 3RD HINGÉ, DT INT & EXT 36"H

- 14" x 14" HEATED OBSERVATION WINDOW

BLP107MA-S1D-SV+ 115/1/60 1 1/15 1.0 2.5 R448A BEZA025-L8-HT3DB 208-230/3/60 9.6 63 1 1.1

- (2) FUSED DISCONNECT SWITCHES FOR CONDENSING UNITS

- MODULARM 75LC MULTI-MONITOR W/ MAGNETIC CONTACTS, MOTION DETECTOR

- 1/2" PLYWOOD REINFORCEMENT FOR MOUNTING AIR CURTAIN

REFRIGERATION - BY BALLY (CONDENSING UNIT MOUNTED OUTDOORS)

■ FREEZER CONDENSATION DRAIN LINES MUST BE HEATED, INSULATED AND TRAPPED INDIVIDUALLY. BY OTHERS

SMARTVAP+ REFRIGERATION REQUIRES TWO SEPARATE POWER SOURCES; ONE TO THE CONDENSING UNIT AND ONE TO THE SMARTVAP+ EVAPORATOR.

- EMBOSSED GALVALUME REMAINDER

- WHITE STUCCO ALUMINUM REMAINDER

- WHITE POLYESTER CEILING

DOORS/ACCESSORIES

POLISHED HARDWAREFOOT TREADLEK1096 DOOR CLOSER

- K944 DEADBOLT

- (INTERIOR) GALVANIZED STEEL - (EXTERIOR) EMBOSSED GALVALUME

- K907 INTERIOR PULL HANDLE

- EXTERIOR CROSSOVER CORD

- (2) C/F COMPARTMENT SIGNS

- (2) DOOR STOPS (SHIPPED LOOSE) - (2) 12GA. S/S STEP PLATES

■ ALL SPECIFICATIONS LISTED ABOVE ARE FOR <u>INDIVIDUAL UNITS ONLY,</u>

- (2) 50' SMARTVAP+ CAT5 CABLES

14" X 14" OBSERVATION WINDOW

944 DEAD BOLT

K1236 LATCH

FOOT TREADLE

LOADING HEIGHT — AT LEAST 18" OF OPEN SPACE MUST BE MAINTAINED BETWEEN TOP OF PRODUCT AND CEILING PANELS

BALLY PANELS AND DOORS ARE CERTIFIED COMPLIANT WITH CURRENT FEDERAL DOE REGULATIONS FOR WALK IN COOLERS & FREEZERS

- BALLY PANELS AND DOORS EXCEED MINIMUM R-VALUES* FOR COOLERS (MINIMUM R-25, EXCLUDING FLOORS), AND FREEZERS

(MIN. R-32, EXCEPT FLOORS, WHICH ARE MIN. R-28) *WHEN TESTED PER ASTM C518 TO FEDERAL REG. 431.304

INSTALLATION

- INDOOR

INSULATION

EXTERIOR FINISH

INTERIOR FINISH

FLOOR FINISH

OAKLAND MILLS HS

1/4" = 1'-0"

NYIKOS Foodservice Design Inc. 7146 Starmount Way **GARCIA** New Market, MD 21774 P 240.683.9530



10910 CLARKSVILLE PIKE ELLICOTT CITY, MD 21042

OAKLAND MILLS HS WALK-IN BOX REPLACEMENT

9410 KILIMANJARO RD COLUMBIA, MD 21045



REFRIGERATION **DETAILS**

Project Number 22.097 Date Drawn By Author Checked By Checker

ITEM #1: WALK-IN COOLER/FREEZER

QUANTITY: One (1) MANUFACTURER: Bally

MODEL NO.: Indoor Installation (N058)

PERTINENT DATA: 4" Foamed-In-Place Urethane Panels - Class I, NSF Construction

UTILITIES REQ'D: 1500W, 120V, 1PH; (2) 3/4" IW

ALTERNATE MFRS.: Kolpak; Thermo-Kool

Furnish and install per Equipment Plan, Sheet K-101; Building Conditions Plan, Sheet K-102; Manufacturer's Shop Drawing and the following:

- . Two-Section Unit, Oakland Mills High School 15'-5" L x 10'-7½" D x 9'-6" H. Size width of interior compartments equally.
- 2. Exterior Finish:
 - -- 26 GA stucco embossed galvanized where unexposed.
 - 22 GA stucco embossed stainless steel where exposed.
- Interior Finish
- White .040 stucco embossed aluminum walls.
- White acrylic enamel baked-on 26 GA smooth galvanized steel ceiling.
- Interior Floor:
- -- 4" prefabricated floor panels installed in 6" deep floor recess over hot asphalt paper or 6 MII polyethylene sheets on building floor slab.
- -- 2" setting bed with two (2) layers of wire reinforcing mesh fabric and quarry tile floor material with 6" high integral coved base, interior and exterior of box, installed over prefabricated floor panel by Tile Contractor.
- Entrance Door:

ITEM #3: (Continued)

5. Weight: 335 lbs.

QUANTITY:

MODEL NO.:

Cooler:

<u>Freezer:</u>

UTILITIES REQ'D:

ALTERNATE MFRS.: None

- -- Two (2) flush-mounted, self-closing doors with 36"x 80" net opening, hinged per equipment
- -- Polished chrome camlift hinges with lift-off capability. Provide one (1) extra hinge per door,
- Kason #1236 polished chrome lever-action handle with knob-turn release and cylinder lock, each door.
- Kason #09440004 polished chrome dead-bolt lock, factory mounted.
- Kason #109400003 hydraulic door closer.
- Standard 2" diameter dial thermometer factory mounted in door frame.
- Foot treadle door opener.
- 36" high aluminum diamond tread kickplates, interior and exterior, of door, frame and jambs.
- 14" x 24" heated observation windows, both doors.
- Kason #907 interior door handle, factory mounted with concealed metal backing plate.
- Round vinyl door bumper mounted to front exterior face to protect handle from puncturing wall when door in full open position.
- 12 gauge stainless steel heated threshold at each entrance door.

Condensing Unit: Factory Pre-Assembled, Scroll, Low Temperature, R-448A.

Complete winterization package and condensing unit weatherproof cover.

BLP209LE-S2D, 1.4A, 208V, 1PH (Fan); 10.3A, 208V, 1PH (Defrost Heater)

of superheat, fan management and demand defrosts, factory-mounted.

condensing unit, and Two (2) years for all parts of the evaporator coil.

Oakland Mills HS - Four (4)

fer to Mechanical Plan, Sheet M-141 for exact location.

4. Overall size: 36\%" L x 30\%" W x 19\%" H.

-- System to operate at -10° F.

8. Factory installed main-fused disconnect switch.

MANUFACTURER: InterMetro Industries Corporation

Coated Finish

MetroMax i (N058)

ITEM #4: DUNNAGE RACK, MOBILE

1. Two (2) #MHP33K3 units, 18" W x 36" L.

1. Two (2) #MHP33K3 units, 18" W x 36" L.

2. System located outdoors on roof. Curb with pitch-pocket furnished and installed by Contractor. Re-

6. Evaporator Coil with High-Efficiency EC Motors: Low-Profile, End-Mount Type, Model

-- Furnish Cat5 cable and interwire to building monitoring system by Electrical Contractor.

7. Complete refrigeration system warrantee: five (5) years for the compressor, Two (2) years for the

PERTINENT DATA: Open-Grid Shelf Mat, Heavy-Duty Assembly, Wire, With Metroseal 3TM Epoxy-

Furnish and set-in-place per Equipment Plan, Sheet K-101; Manufacturer's Instructions and the following:

-- Surveillant Demand Defrost Controller to consist of a microprocessor driven controller that

reduces the energy used by the evaporator coil in refrigeration system through precise control

-- Undercut doors for quarry tile floor.

ITEM #1: (Continued)

- Kason #1806 LED light fixture with high-impact plastic globe factory mounted centered above door opening. Conceal conduit within header of door frame and extend to junction box mounted on top of door panel.
- Engraved phenolic plastic compartment sign 12" long x 2" high; white in color with 1" high blue CAPITAL letters mounted on door above observation window; (1) – FREEZER, (1) COOLER.
- 6. Heated pressure relief port in freezer compartment.
- Four (4) Kason #1810L21248LB 48" long LED light fixtures with shatter-proof high impact plastic covers centrally-mounted to walk-in ceiling; Two (2) for the freezer, two (2) for the cooler. Fixtures shipped loose and mounted by K.E.C.; final connection by Electrical Contractor. K.E.C. to seal and insulate with silicone sealant all knock-outs in fixture casing to prevent moisture infiltration.
- One (1) Modularm Model #75LC walk-in monitor system with #TK4 light control and panic button factory mounted in each door panel and inter-wired with building monitoring system, as required by Electrical Contractor. Provide engraved identification label mounted above each alarm.
- Provide and install trim strips of matching exterior finish between ends of walk-in panels and building walls from floor to finished ceiling. K.E.C. to verify ceiling height.
- 10. Provide and install closure panels of matching exterior finish between top of walk-in and finished ceiling. K.E.C. to verify ceiling height.
- 11. All electrical conduit shall be run concealed above walk-in ceiling per Detail, Sheet K-104.
- 12. Evaporator coil drain lines shall be run to floor drain with P-trap on exterior of box by K.E.C.
- 13. Black flexible "Armaflex" insulation applied to exposed drain lines and fittings within interior of box by K.E.C.
- 14. Spiral heat tape applied to drain line within interior of freezer compartment prior to application of insulation by K.E.C. Drain line heating cable shall be installed for continuous 24-hour operation.
- 15. Coordinate location of sprinkler head drops and provide penetrations, where necessary.
- 16. Seal and insulate all openings to prevent infiltration of warm air into cooler/freezer compartments.
- Two (2) Kolpak #HAR-C2-N1 air shields with magnetic activation switch, factory-mounted vertically, adjacent to the hinge side of each doors on the interior wall surface. Electrical Contractor to provide power receptacle and final connection.
- -- #16 ga. stainless steel hat-channel bumper rail with closed ends installed to front face of walk-in, full-length, mounted @ 36" A.F.F. Provide 1/8" diamond tread kickplates from top of finish floor coved base to bottom of bumper rail. Align bumper rail with 36" high aluminum kickplate on doors.

ITEM #5: SHELVING, MOBILE

Oakland Mills HS - Ten (10) QUANTITY: MANUFACTURER: InterMetro Industries Corporation MODEL NO.: MetroMax i (N058) PERTINENT DATA: Four-Tier High, Open-Grid Shelf Mat, Polymer

UTILITIES REQ'D: ----

ALTERNATE MFRS.: None

Furnish and set-in-place per Equipment Plan, Sheet K-101; Manufacturer's Instructions and the following:

Oakland Mills HS Cooler:

- 1. Three (3) #MX1836G sections; 18" W x 36" L x 4-tier high.
- 2. Two (2) #MX1848G sections; 24" W x 54" L x 4-tier high.
- 3. Twenty (20) #MX63UP posts for stem casters, 61-3/16" high.
- 4. Ten (10) #5MPX polyurethane swivel casters with bumpers.
- 5. Ten (10) #5MPBX polyurethane swivel casters with brakes and bumpers.
- 6. Plastic wedge lock connectors, quantity as required.

7. Locate bottom shelf @ 10" A.F.F.; space remaining shelves equally.

Oakland Mills HS Freezer:

- Three (3) #MX1836G sections; 18" W x 36" L x 4-tier high.
- 2. Two (2) #MX1848G sections; 24" W x 54" L x 4-tier high.
- 3. Twenty (20) #MX63UP posts for stem casters, 61-3/16" high.
- 4. Ten (10) #5MPX polyurethane swivel casters with bumpers.
- 5. Ten (10) #5MPBX polyurethane swivel casters with brakes and bumpers.
- 6. Plastic wedge lock connectors, quantity as required.
- 7. Locate bottom shelf @ 10" A.F.F.; space remaining shelves equally.

END OF SECTION 114000

ITEM #2: COOLER REFRIGERATION SYSTEM

QUANTITY: One (1)

MANUFACTURER: Bally MODEL NO.: BEZA007H8-HS2D (N058)

PERTINENT DATA: EZ-Line, Air Cooled, Outdoor Installation, Remote, With SmartVap+ Evaporator

With EEV UTILITIES REO'D: 8.5A, 208V, 1PH

ALTERNATE MFRS.: RDT; Omni-Temp; Coldzone

Furnish and install per Equipment Plan, Sheet K-101; Manufacturer's Shop Drawing and the following:

- 1. Condensing Unit: Factory Pre-Assembled, Scroll, Medium Temperature, R-448A.
- 2. System located outdoors on roof. Curb with pitch-pocket furnished and installed by Contractor. Refer to Mechanical Plan for exact location.
- Complete winterization package and condensing unit weatherproof cover.
- 4. Overall size: 24%" L x 30%" W x 19%" H.
- 5. Weight: 183 lbs.
- Evaporator Coil with High-Efficiency EC Motors: Low-Profile, End-Mount Type, Model BLP107MA-S1D; 1.3A, 120V, 1PH
- -- System to operate at $+35^{\circ}$ F.
- -- Furnished complete with thermostat, solenoid and expansion valves factory mounted ready for final connection by Refrigeration Contractor.
- SmartVap+ and Air Defrost Electronic Controller with remote monitoring and diagnostics consisting of a microprocessor driven controller, sensors and an optional Electronic Expansion Valve (EEV) factory-installed.
- -- Furnish Cat5 cable and interwire to building monitoring system by Electrical Contractor.
- 7. Complete refrigeration system warrantee: five (5) years for the compressor, Two (2) years for the condensing unit, and Two (2) years for all parts of the evaporator coil.
- 8. Factory installed main-fused disconnect switch.

ITEM #3: FREEZER REFRIGERATION SYSTEM

QUANTITY: One (1)

MANUFACTURER: Bally

MODEL NO.: BEZA025L8-HT3D (N058)

PERTINENT DATA: EZ-Line, Air Cooled, Outdoor Installation, Remote, With SmartVap+ Evaporator

UTILITIES REQ'D: 13.1A, 208V, 3PH

ALTERNATE MFRS.: RDT; Omni-Temp; Coldzone

Furnish and install per Equipment Plan, Sheet K-101; Manufacturer's Shop Drawing and the following:



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No.	Description	Date

SPECIFICATIONS

22.097 **Project Number** Drawn By **Author** Checked By Checker K-502