PROJECT MANUAL

REQUEST FOR BIDS
UCSD JFK NEW FREEZER-COOLER 2023

June 6, 2023

Owner:
Utica City School District Board of Education
929 York Street
Utica, NY 13502

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DOCUMENT 001113 - ADVERTISEMENT FOR BIDS

Owner:

Utica City School District Board of Education
929 York Street
Utica, NY 13502
PH: 315-792-2210

Project Information:

UCSD JFK NEW FREEZER-COOLER 2023

The Owner, the Utica City School District, will receive separate sealed bids to furnish materials and labor to complete Proctor interior repairs. Bids shall be on a lump sum basis.

One copy of sealed bids will be received until **2PM EST, June 22, 2023** at the Utica City School District Office, 929 York Street, Utica, NY 13502 (phone: 315-792-2210). Bids received after this time will not be accepted and returned to Bidder unopened. Bids will be opened publicly and read aloud after specified receipt time. All interested parties are invited to attend.

Pre-Bid site inspections can be requested by the contacting the Construction Manager, Travis Roller – C&S Companies, troller@cscos.com or 315-520-9316.

Bid documents may be obtained digitally in PDF format. Request documents via email to JoAnn Giotto, e-mail address is jgiotto@uticaschools.org

All questions regarding this bid are to be submitted via the Request for Information form, included in the bid documents.

The School Board of the Utica City School District reserves the right to waive any informalities or irregularities in the Bids received, or to reject all Bids without explanation.

"The Utica City School District is an Affirmative Action, Equal Opportunity Enterprise."

By Order of: The Utica City School District Board of Education

END OF DOCUMENT 00113

BID FORM UCSD JFK NEW FREEZER-COOLER 2023

BID FROM

Bidder's Name: _____

Bidder's Address: _____

Bidder's Telephone: _____

Bidder's E-mail Address: _____

BID TO (Owner): **Utica City School District**
929 York Street - Utica, New York 13502

The bidder (identified above) hereby certifies that he has examined and fully understands the requirements and intent of the BIDDING AND CONTRACT DOCUMENTS, including Drawings, Project Manual, and Addenda; and proposes to furnish all labor, materials, and equipment necessary to complete the Work on, or before, the dates specified in the Contract Documents for the BASE BID sum of:

_____
(words)

_____ (_____)
(figures)

Show amount of BASE BID in both words and figures; in case of discrepancy between words and figures shown, the amount shown in words will govern.

The Bidder acknowledges that the Owner reserves the right to waive any informality, reject or accept, in no particular order of precedence the above Alternates:

LIST OF ADDENDA RECEIVED

No. _____ Date_____ No. _____ Date_____

No. _____ Date_____ No. _____ Date_____

No. _____ Date_____ No. _____ Date_____

No. _____ Date_____ No. _____ Date _____

ATTACHMENTS

Enclosed with this BID are the following attachments:

1. Attachment #1 - Non-Collusive Bidding Certificate
2. Attachment #2 - Certified Corporate Resolution
3. Attachment #3 - Affirmative Action Agreement

Time of Commencement and Completion
The bidder agrees to commence Work on the stipulated starting date(s) and will substantially complete the Work in accordance with the project schedule stipulated in Specification Section 013150 – Construction Schedule.

Rejection of Bids
The Bidder acknowledges that the Owner reserves the right to waive any informality in, or to reject any or all Bids.

EXECUTION OF CONTRACT

If written notice of the acceptance of this BID is mailed, telegraphed, or otherwise delivered to the undersigned within (45) days after the date of opening of the Bids, or any time thereafter, the undersigned will, within ten (10) days after the date of such delivery, execute and deliver a contract in the form as required by the Architect.

This BID may be withdrawn at any time prior to the scheduled time for the opening of Bids, or any authorized postponement thereof.

SIGNATURE

( ) NAME OF BIDDER (Corporate Name)
( )
( ) _____
(Corporate Seal)
( ) SIGNATURE (Corporate Officer)
( )
( ) _____
( )
( ) DATE: _____

BID FORM ATTACHMENT #1

GENERAL CONDITIONS TO BID

NON-COLLUSIVE BIDDING CERTIFICATION

No bid will be accepted that does not have this form completely executed.

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

(a) The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or any competitor;

(b) Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor;

(c) No attempt has been made or will be made by the bidder to induce any other person, partnership, or corporation to submit or not to submit a bid for the purpose of restricting competition;

(d) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as well as to the person signing in its behalf;

(e) That attached hereto (if corporate bidder) is a certified copy of resolution authorizing the execution of this certified by the signature of this bid or proposal in behalf of the corporate bidder.

_____
(Individual)

_____
(Corporation)

Dated:_____ By _____
(Signature of Officer)

This Non-Collusive Bidding Certificate must be submitted with the bid.

BID FORM ATTACHMENT #2

CERTIFIED CORPORATE RESOLUTION

RESOLVED THAT_____be authorized to sign and submit the bid or proposal of this corporation for the following project:

_____

_____

and to include in such bid or proposal the certificate as to non-collusion required by section one hundred three-d (103-d) of the general municipal law as to the act and deed of such corporation, and for any inaccuracies or mis-statements in such certificate this corporate bidder shall be liable under the penalties of perjury.

The foregoing is a true and correct copy of the resolution and adopted by

_____ at a meeting of its board of directors held on the

_____ day of_____2018

_____
(Secretary

This Certified Corporate Resolution must be submitted with the bid.

BID FORM ATTACHMENT #3

AFFIRMATIVE ACTION AGREEMENT

(New York State Projects)

Firm Name: _____

Business Address: _____

Telephone Number: _____

Non-discrimination Clauses:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, creed, sex, color or national origin and will take affirmative action to insure that they are afforded equal employment opportunities without discrimination because of race, creed, sex, color or national origin. Such action shall be taken with reference, but not limited to: recruitment, employment, job assignment, promotion, upgrading, demotion, transfer, layoff or termination, rates of pay or other forms of compensation, and selection for training or retraining, including apprenticeship and on-the-job training.

2. The Contractor will send to each labor union or representative of workers with which he has or is bound by a collective bargaining or other agreement or understanding, a notice, to be provided by the State Commission for Human Rights, advising such labor union or representative of the Contractor's agreement under clauses (1) through (7) (hereinafter called "non-discrimination clauses"). If the Contractor was directed to do so by the contracting agency as part of the bid or negotiation of this Contract, the Contractor shall request such labor union or representative to furnish him with a written statement that such labor union or representative will not discriminate because of race, creed, sex, color or national origin and that such labor union or representative either will affirmatively cooperate, within the limits of its legal and contractual authority, in the implementation of the policy and provisions of these non-discrimination clauses or that it consents and agrees that recruitment, employment and the terms and conditions of employment under this Contract shall be in accordance with the purposes and provisions of these non-discrimination clauses. If such labor union or representative fails or refuses to comply with such a request that it furnish such a statement, the Contractor shall promptly notify the State Commission for Human Rights of such failure orrefusal.

3. The Contractor will post and keep posted in conspicuous places, available to employees and applicants for employment, notices to be provided by the State Commission for Human Rights setting forth the substance of the provisions of clauses (1) and (2) and such provisions of the State's laws against discrimination as the State Commission for Human Rights shall determine.

4. The Contractor will state, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, that all qualified applicants will be afforded equal employment opportunities without discrimination because of race, creed, sex, color or national origin.

5. The Contractor will comply with the provisions of Sections 291-299 of the Executive Law and the Civil Rights Law, will furnish all information and reports deemed necessary by the State Commission for Human Rights under these non-discrimination clauses and such sections of the Executive Law, and will permit access to his books, records and accounts by the State Commission for Human Rights, the Attorney General and the Industrial Commissioner for the purposes of investigation to ascertain compliance with these non-discrimination clauses and such sections of the Executive Law and Civil Rights Law.

6. This Contract may be forthwith canceled, terminated or suspended, in whole or in part, by the contracting agency upon the basis of a finding made by the State Commission for Human Rights that the Contractor has not complied with these non-discrimination clauses, and the Contractor may be declared ineligible for future contracts made by or on behalf of the State or a public authority or agency of the state, until he satisfies the State Commission for Human Rights that he has established and is carrying out a program in conformity with the provisions of these non-discrimination clauses. Such finding shall be made by the State Commission for Human Rights after conciliation efforts by the Commission have failed to achieve compliance with these non-discrimination clauses and after a verified complaint has been filed with the Commission, notice thereof has been given to the Contractor and an opportunity has been afforded him to be heard publicly before three members of the Commission. Such sanctions may be imposed and remedies invoked dependently of or in addition to sanctions and remedies otherwise provided by law.

7. The Contractor will include the provisions of clauses (1) through (6) in every subcontract or purchase order in such a manner that such provisions will be binding upon each subcontractor or vendor as to operations to be performed within the State of New York. The Contractor will take such action in enforcing such provisions of such subcontract or purchase order as the contracting agency may direct, including sanctions or remedies for non-compliance. If the Contractor becomes involved in or is threatened with litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the Contractor shall promptly so notify the Attorney General, requesting him to intervene and protect the interests of the State of New York.

Signature (Authorized): _____

Title: _____

END OF AFFIRMATIVE ACTION AGREEMENT

This Affirmative Action Agreement must be submitted with the bid.

June 6, 2023

PRE-BID REQUEST FOR INFORMATION

PROJECT: UCSD PAVEMENT REPLACEMENT CONTRACT

RFI TITLE: _____

RFI DATE REQUESTED: _____

RFI REQUESTED BY: _____

Submit via e-mail to:
Scott Perry at sperry@labellapc.com
and
JoAnn Giotto at jgiotto@uticaschools.org

(All REQUEST FOR INFORMATION must be received 3 days prior to bid date)

REQUEST:

ANSWER:

Prevailing Wage Rates:

This project is subject to NYS Prevailing Wages.

The Bureau of Public Works of the New York State Department of Labor promulgates annual prevailing wage rates effective on July 1 each year that remain in effect until June 30 of the following year. These rates will apply to all new public works projects let on or after July 1 each year.

SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, and Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Phased construction.
4. Access to site.
5. Coordination with occupants.
6. Work restrictions.
7. Specification and drawing conventions.
8. Time of Completion.

B. Related Requirements:

1.3 PROJECT INFORMATION

A. Project Identification: UCSD JFK NEW FREEZER-COOLER 2023

1. Project Location: Utica City School District – JFK Middle School

B. Owner: Utica City School District Board of Education 929 York Street, Utica, NY 13502.

1.4 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:

1. **Remove and dispose of existing freezer and cooler units in kitchen, including electrical disconnects. Evacuate existing refrigerant, and remove existing evaporator and condensing units and piping.**
2. **Relocate freestanding equipment in kitchen as required to complete work.**
3. **Modify existing exterior wall/window opening, including new lintel as indicated, and patching of disturbed interior finishes in-kind.**
4. **New structural concrete foundation and slab.**
5. **New custom exterior free-standing walk-in freezer/cooler.**
6. **Wall flashing at roof.**
7. **Install closure panels between building and units. (Supplied by unit manufacturer.)**
8. **New remote condensing units and racks on new concrete pads. Pipe refrigerant lines from condensing units to evaporator coils.**
9. **Pipe condensate from evaporator coils to exterior of units.**

10. **Electrical disconnects of all existing equipment is by Electrical Subcontractor.**
11. **Installation & interwiring of additional walk-in cooler/freezer LED lights (supplied with unit) by Electrical Subcontractor.**
12. **Final electrical connection to walk-in cooler & freezer condensing units is by Electrical Subcontractor.**
13. **Provide heat tape for walk-in freezer condensate drain by Electrical Subcontractor.**
14. **Interwire magnetic door contactors and power from cooler door JB to freezer door JB by Electrical Subcontractor.**
15. **Restore disturbed lawn.**

Construction will be governed by the New York State Uniform Fire Prevention and Building Code, currently applicable edition, and its referenced codes and standards; the State Education Department Manual for Planning Standard; and other applicable laws and regulations, including Municipal Regulations and Health Codes.

B. Type of Contract:

1. District issued purchase order

1.5 PHASED CONSTRUCTION

A. The Work shall be conducted in single phase:
1. All work is planned as awarded by the district

B. Before commencing work, submit an updated copy of Contractor's construction schedule showing the sequence, commencement, and completion dates for all phases of the Work.

1.6 ACCESS TO SITE

A. General: Contractor shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.

B. The Contractors agree to accept the site, as it exists and to remove any encumbrances, which interfere with proper fulfillment of the Work, without change in the Contract Sum.

C. Use of Site: Limit use of Project site to work in areas indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.

1. Limits: Confine construction operations to areas for construction

2. Driveways, Walkways and Entrances: Keep driveways and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.

a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

1.7 COORDINATION WITH OCCUPANTS

A. Full Owner Occupancy: Owner will occupy site and existing building(s) during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's day-to-day operations. Maintain existing exits unless otherwise indicated.

1. Maintain access to existing walkways, corridors, and other adjacent occupied or used facilities. Do not close or obstruct walkways, corridors, or other occupied or used facilities without written permission from Owner and approval of authorities having jurisdiction.
2. Notify Owner not less than 72 hours in advance of activities that will affect Owner's operations.

1.8 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.

B. On-Site Work Hours: Limit work in the existing building to normal business working hours of 7:00 a.m. to 5:00 p.m., Monday through Friday, unless otherwise indicated.

1. Weekend Hours: To be coordinated with the owner representative.
2. Early Morning Hours: None.
3. Hours for Utility Shutdowns: coordinate with owner representative.

C. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:

1. Notify Owner not less than two days in advance of proposed utility interruptions.
2. Obtain Owner's written permission before proceeding with utility interruptions.

D. Noise, Vibration, and Odors: Coordinate operations that may result in high levels of noise and vibration, odors, or other disruption to Owner occupancy and neighboring residents with Owner.

1. Notify Owner not less than two days in advance of proposed disruptive operations.
2. Obtain Owner's written permission before proceeding with disruptive operations.

E. Controlled Substances: Use of tobacco products and other controlled substances on Project site is not permitted.

F. Employee Identification: Owner will provide identification tags for Contractor personnel working on Project site. Require personnel to use identification tags at all times.

1.9 SPECIFICATION AND DRAWING CONVENTIONS

A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.

B. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:

1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings.
3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

1.10 TIME OF COMPLETION

A. It is understood and mutually agreed that the time for Substantial Completion is an essential condition of this Contract.

B. Contractor agrees that work shall be prosecuted diligently and uninterruptedly at such rate as will insure Substantial Completion of all work and certificates of occupancy on or before the date stated in the Contract.

C. It is expressly understood and agreed by Contractor and Owner that the time for Substantial Completion and certificates of occupancy are reasonable, taking into consideration average climatic range, restrictions concerning use of the site, and other conditions prevailing.

D. Contractor shall schedule the Work accordingly. Second Shift and Weekend Shifts should be included to complete the work where disturbance to neighboring residence will not be disturbed and in accordance with this document.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

SECTION 011100 – NYSED 155.5 REGULATIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section specifies requirements of SNYCRR155.5, Uniform Safety Standards for School Construction and Maintenance Projects that are required in construction documents. The Contractor shall comply with these requirements in addition to any and all similar requirements in the Contract Documents.

1.3 REQUIREMENTS

A. The occupied portion of any school building shall always comply with the minimum requirements necessary to maintain a certificate of occupancy. In addition, the following shall be strictly enforced and cooperated with:

1. No smoking is allowed on public school property, including construction areas.
2. During construction daily inspections of district occupied areas shall be conducted by school district personnel to assure that construction materials, equipment or debris do not block fire exits or emergency egress windows.
3. Proper operation of fire extinguishers, fire alarm, and smoke/fire detection systems shall be maintained throughout the project

B. Verify that all school areas to be disturbed during renovation or demolition have been or will be tested for lead and for asbestos. For any project work that disturbs surfaces that contain lead or asbestos, follow the plans and specifications prepared by a certified Lead Risk Assessor or Supervisor which details provisions for occupant protection, worksite preparation, work methods, cleaning, and clearance testing; which are in general accordance with HUD Guidelines.

1. All asbestos abatement projects shall comply with all applicable federal and State laws including but not limited to the New York State Department of Labor industrial code rule 56(12NYCRR56), and the federal Asbestos Hazard Emergency Response Act (AHERA), 40 CFR Part 763 (Code of Federal Regulations, 1998 Edition); available at the Office of Facilities Planning, Education Building Annex, Room 1060, State Education Department, Albany, NY 12234.
2. Any construction or maintenance operations which will disturb lead-based paint will require abatement of those areas pursuant to protocols detailed in the "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing", June 1995; U.S. Department of Housing and Urban Development (HUD), Washington, D.C. 20410; available at the Office of Facilities Planning, Education Building Annex, Room 1060, State Education Department, Albany, NY 12234.

C. General Safety and Security Standards for Construction Projects:

1. All construction materials shall be stored in a safe and secure manner.
2. Fences around construction supplies or debris shall be maintained.
3. Gates shall always be locked unless a worker is in attendance to prevent unauthorized entry.
4. During exterior renovation work, overhead protection shall be provided for any sidewalks or areas immediately beneath the work site or such areas shall be fenced off and provided with warning signs to prevent entry.
5. Workers shall be required to wear photo-identification badges at all times for identification and security purposes while working at occupied sites.

D. Separation of construction areas from occupied spaces. Construction areas which are under the control of a contractor and therefore not occupied by district staff or students, shall be separated from occupied areas. Provisions shall be made to prevent the passage of dust and contaminants into occupied parts of the building. Periodic inspection and repairs of the containment barriers must be made to prevent exposure to dust or contaminants. Gypsum board must be used in exit ways or other areas that require fire rated separation. Heavy duty plastic sheeting may be used only for a vapor, fine dust or air infiltration barrier, and shall not be used to separate occupied spaces from construction areas.

1. A specific stairwell and/or elevator should be assigned for construction worker use during work hours. In general, workers may not use corridors, stairs or elevators designated for students or school staff.
2. Large amounts of debris must be removed by using enclosed chutes or a similar sealed system. There shall be no movement of debris through halls of occupied spaces of the building. No material shall be dropped or thrown outside the walls of the building.
3. All occupied parts of the building affected by renovation activity shall be cleaned at the close of each workday. School buildings occupied during a construction project shall maintain required health, safety and educational capabilities at all times while classes are in session.

E. Prepare and maintain a plan detailing how exiting, required by the applicable building code, shall be maintained during construction.

1. The plan shall indicate temporary construction required to isolate construction equipment, materials, people, dust, fumes, odors, and noise during the construction period.
2. Temporary construction details shall meet code-required fire ratings for separation and corridor enclosure.
3. At a minimum, required exits, temporary stairs, ramps, exit signs, and door hardware shall be provided at all times.
4. The plan shall indicate fully functioning and code compliant temporary exits and temporary partitions per phasing drawings.

F. Prepare a plan detailing how adequate ventilation will be maintained during construction.

1. The plan shall indicate ductwork which must be rerouted, disconnected, or capped in order to prevent contaminants from the construction area from entering the occupied areas of the building.
2. The plan shall also indicate how required ventilation to occupied spaces affected by construction will be maintained during the project.

G. Construction and maintenance operations shall not produce noise in excess of 60 dba in occupied spaces or shall be scheduled for times when the building or affected building spaces are not occupied or acoustical abatement measures shall be taken.

H. The contractor shall be responsible for the control of chemical fumes, gases, and other contaminates produced by welding, gasoline or diesel engines, roofing, paving, painting, etc. to ensure they do not enter occupied portions of the building or air intakes.

I. The contractor shall be responsible to ensure that activities and materials which result in "off-gassing" of volatile organic compounds such as glues, paints, furniture, carpeting, wall covering, drapery, etc. are scheduled, cured or ventilated in accordance with manufacturers recommendations before a space can be occupied.

J. Large and small asbestos abatement projects as defined by 12NYCRR56 shall not be performed while the building is occupied. The term "building", as used in this paragraph, means a wing or major section of a building that can be completely isolated from the rest of the building with sealed non-combustible construction. The isolated portion of the building must contain exits that do not pass through the occupied portion, and ventilation systems must be physically separated and sealed at the isolation barrier.

K. Exterior work such as roofing, flashing, siding, or soffit work may be performed on occupied buildings provided proper variances are in place as necessary and complete isolation of ventilation systems and at windows is provided. Care must be taken to schedule work so that classes are not disrupted by noise or visual distraction.

END OF SECTION 011100

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 01 Specifications Sections, apply to this Section.

1.2 SUMMARY

A. Supply, deliver and set in place all food service equipment at identified locations, and level before and after final connections by others. FEC to coordinate with authorized service agents any start up requirement called out in this written specification as well as provide prompt demonstrations to owner.

1.3 DEFINITIONS

A. Products: Items obtained for incorporating into the Work, whether purchased for Project or taken from previously purchased stock. The term "product" includes the terms "material," "equipment," "system," and terms of similar intent.
   1. Named Products: Items identified by manufacturer's product name, including make or model number or other designation shown or listed in manufacturer's published product literature, which is current as of date of the Contract Documents.
   2. New Products: Items that have not previously been incorporated into another project or facility. Products salvaged or recycled from other projects are not considered new products.
   3. Comparable Product: Product that is demonstrated and approved through submittal process to have the indicated qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics that equal or exceed those of specified product.

B. Basis-of-Design Product Specification: A specification in which a specific manufacturer's product is named and accompanied by the words "basis-of-design product," including make or model number or other designation, to establish the significant qualities related to type, function, dimension, in-service performance, physical properties, appearance, and other characteristics for purposes of evaluating comparable products of additional manufacturers named in the specification.

C. Substitutions: Changes in products, materials, equipment, and methods of construction from those required by Contract Documents. Substitutions require approval by Architect for use or implementation.
   1. Substitutions provisions are handled under Division 01 Section.

1.4 REFERENCES

A. All food service refrigeration equipment must comply with C403.10 refrigeration equipment performance equipment of the 2020 Energy Conservation code of New York State.

B. All Food Service Equipment provided and installed must comply with below agencies, state department of health and county or local laws and ordinance.

C. American Society for Testing Materials (ASTM):
1. ASTM A167, Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet and Strip.
2. ASTM A446, Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Structural (Physical) Quality.
3. ASTM C1036, Specification for Flat Glass.
4. ASTM C1048, Specification for Heat Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated Glass.

D. American Welding Society (AWS).

E. National Electrical Manufacturers Association (NEMA).

F. National Fire Protection Association (NFPA 96).

G. National Sanitation Foundation (NSF).

H. Underwriters Laboratories Listing (UL).

I. Reference Standard AGS Grease hoods, ductwork and fire extinguishing system per NYBC 904.2

1.5 SUBMITTALS

A. Within sixty (60) days after award of contract (before equipment is purchased) the following shall be submitted in accordance with Section 013300 SUBMITAL PROCEDURES. It shall be the responsibility of the FEC (Food Equipment Contractor) to confirm construction schedule with Architect and adjust the submittal process to accommodate any fast track projects.
1. The submittal package will include the following: Product data book (cut sheet book) this product data book should account for all item numbers in this contract up to and including spare numbers and existing equipment. Product data cut sheets shall be marked up in a way that indicates model and accessories included with the item.
2. Submittal drawings will consist of the following: Custom shop drawings (hoods, walk-ins, millwork, serving lines custom fabrication, etc.) Equipment layout drawings, Plumbing connection drawings, electrical connection drawings, HVAC layout drawings and Special condition drawings (Wall backing, floor depressions, etc.)
3. All submittal packages shall be at least 98% complete at submission, unless pre-approved by architect and food service consultant.

B. Electronically submit (PDFs) assembly drawings, electrical and mechanical rough-in connection plans, details for plumbing, electrical, air conditioning and ventilation services for all kitchen equipment and brochures, catalog cut-sheets, specifications and operating characteristics for buy-out equipment. Clearly indicate any deviations from contract Documents, such as arrangement of piping, connections, wiring method of fabrication, manner of structural conditions, standard shop practices, or other reasons, and note in Cover Sheet

accompanying submittals.

C. Drawing of fabricated equipment shall not be less than ¾" equal one-foot scale.

D. Rough-in drawings shall not be less than ¼" equal one-foot scale.

E. Product Data: Provide data on appliances; indicate configuration, sizes, materials, finishes, locations, utility connections and locations.

F. Samples: Submit samples of stainless steel and other finish materials for color selection.

G. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.

H. Manufacturer's Certificate: Certify that exhaust system and tests meet or exceed specified requirements.

I. It shall be the FEC responsibility to coordinate all color selections that are not already selected with the Architect. Any color selections stated in the written specifications shall be confirmed by the FEC with Architect prior to ordering.

1.6 CLOSEOUT SUBMITTALS

A. Within thirty (30) days after completion of contract the following shall be submitted.
   1. Operation and Maintenance Data:
      a. Operation Data: Provide manuals with a sequence of operation and utility connection diagram explaining system operation and corresponding to actual devices. After approval, submit 2 sets of three ring binders and an electronic copy.
      b. Maintenance Data: Provide lubrication and periodic maintenance requirement schedules.
      c. Provide serial numbers on all equipment including walk in boxes and refrigeration. FEC to indicate model or items provided. NO generic manuals will be accepted
   2. Warranty letter by the FEC stating date of completion of installation for warranty issues.
   3. Demonstration sign in sheet listing what was demonstrated and all parties that attended this demonstration
   4. Equipment keys and spare parts list to include what was turned over and to whom.
   5. Signed by owner or owner's representative the punch list determining that all punch list items have been completed and to the owner's satisfaction.
   6. Documentation of start ups by authorized service agent
   7. Provide copy of Ansul tag and testing.
   8. Documentation of start ups by authorized service agent
   9. Provide signed transmittal of all parts and keys have been turned over to CM/GC or owner

1.7 QUALITY ASSURANCE

A. Regulatory Requirements:
   1. Conform to applicable State and local codes for utility requirements.

2. Products Requiring Electrical Connection: Listed and classified by Underwriters' Laboratories, Inc. as suitable for the purpose specified and indicated.

B. Energy Ratings: Provide appliances with energy guide labels with energy cost analysis (annual operating costs) and efficiency information as required by Federal Trade Commission.
   1. Provide all appliances that are Energy Star Rated.

1.8 QUALIFICATIONS

A. Installer: Must have a minimum of 5 years documented installation experience with projects similar to this project.

B. Fabricator: Must specialize in manufacture of commercial food services equipment with minimum 5 years documented experience.

C. Manufacturer: Must specialize in manufacturing products specified in this section with a minimum of 5 years documented equipment manufacturing experience.

D. One qualified full-time site superintendent all be satisfactory to the Owner and Architect in all respects, and owner shall have the right to require Contractor to dismiss from the project any superintendent whose performance is not satisfactory to Owner and Architect except with another superintendent satisfactory to the Owner and Architect in all respects. At the request of the Architect, the Contractor's superintendent shall attend project meetings, whether the project meetings are prior to the start of the Contractor's work.
   1. Contractor shall provide a superintendent with experience in managing project of this size and complexity with minimum three (3) projects including projects completed on time per contract. Experience shall be documents in writing from end user and design consultant.

1.9 DELIVERY, STORAGE AND HANDLING

A. Store products clear of floor in a manner to prevent damage.

B. Coordinate size of access and route to place of equipment installation.

C. Coordinate equipment delivery and installation with all other trades.

D. Contractor takes all responsibility for equipment damage incurred before, during and after installation, until Substantial Completion has been determined by Architect.

1.10 COORDINATION

A. Coordinate existing equipment with Owner per Part 3 Existing Equipment.

B. Coordinate with other trades to ensure existing equipment is disconnected prior to removal by this contractor. Supply and install all necessary drain traps, steam traps, vents, shut-offs, valves, pipe fittings, and/or other materials to complete final plumbing and electrical or steam connections between the rough-in and the connection or connections on each piece of equipment.

C. Ductwork and ductwork connections from hoods collars to duct work provided by HVAC unless otherwise indicated.

D. Install all drain fittings, tailpieces, faucets, operating switches, and/or starters.

E. Coordinate sequencing of equipment installation with other trades prior to installing any piece of equipment.

F. Coordinate special conditions with other trades, i.e. floor depression, soda line conduit requirements, roof curbs, control wiring, etc.

1.11 WARRANTY

A. Provide a one (1) year parts and labor guarantee on all new equipment.

B. Components of equipment subject to replacement prior to one year's use and those items which may fail due to improper or inadequate periodic maintenance by the Owner/Operator are not intended to be included within the scope of warranty.

C. For all equipment that has refrigeration systems and semi-hermetic compressors, furnish an additional four (4) year warranty on all compressors.

D. Guarantee/Warranty period shall commence with the date of Substantial Completion.

E. Warranty includes all costs incurred for removal and re-installation of the replacement component or equipment.

PART 2 - PRODUCTS

2.1 PRODUCT SELECTION PROCEDURES

A. General Product Requirements: Provide products that comply with the Contract Documents, are undamaged and, unless otherwise indicated, are new at time of installation.
   1. Provide products complete with accessories, trim, finish, fasteners, and other items needed for a complete installation and indicated use and effect.
   2. All products shall be new. Use salvaged materials only where specifically directed to do so.
   3. Standard Products: If available, and unless custom products or nonstandard options are specified, provide standard products of types that have been produced and used successfully in similar situations on other projects.
   4. Owner reserves the right to limit selection to products with warranties not in conflict with requirements of the Contract Documents.
   5. Where products require color selection the Architect will make the selection.
   6. Descriptive, performance, and reference standard requirements in the Specifications establish salient characteristics of products.
   7. Or Equal: For products specified by name and accompanied by the term "or equal," or "or approved equal," or "or approved," comply with requirements in "Comparable

Products" Article to obtain approval for use of an unnamed product.

B. Product Selection Procedures:
   1. Products:
      a. Non-restricted List: Where Specifications include a list of names of both available manufacturers and products, provide one of the products listed, or an unnamed product, that complies with requirements. Comply with requirements in "Comparable Products" Article for consideration of an unnamed product.
   2. Manufacturers:
   3. Basis-of-Design Product: Where Specifications name a product, or refer to a product indicated on Drawings, and include a list of manufacturers, provide the specified or indicated product or a comparable product by one of the other named manufacturers. Drawings and Specifications indicate sizes, profiles, dimensions, and other characteristics that are based on the product named. Comply with requirements in "Comparable Products" Article for consideration of an unnamed product by one of the other named manufacturers.

2.2 COMPARABLE PRODUCTS

A. Conditions for Consideration: Architect will consider Contractor's request for comparable product when the following conditions are satisfied. If the following conditions are not satisfied, Architect may return requests without action, except to record noncompliance with these requirements:
   1. Evidence that the proposed product does not require revisions to the Contract Documents that it is consistent with the Contract Documents and will produce the indicated results, and that it is compatible with other portions of the Work.
   2. Detailed comparison of significant qualities of proposed product with those named in the Specifications. Significant qualities include attributes such as performance, weight, size, durability, visual effect, and specific features and requirements indicated.
   3. Evidence that proposed product provides specified warranty.
   4. List of similar installations for completed projects with project names and addresses and names and addresses of architects and owners, if requested.
   5. Samples, if requested.

2.3 MATERIALS

A. Sheet Steel: ASTM A446; 1.25 ounce per square foot galvanized coating.

B. Stainless Steel: ASTM A167; Type 304 commercial grade, No. 4 finish.

C. Glass: 3/16-inch float conforming to ASTM C1036 and ASTM C1048; exposed edges ground; cut or drilled to receive hardware.

D. Plastic Laminate: NEMA LD3; 0.050-inch-thick; color as selected by Architect.

E. Laminate Backing Sheets: LD3-BK20, 0.020-inch-thick, unfinished plastic laminate.

F. Finish Hardware: Manufacturer's standard.

G. Work Surfaces: As specified.

H. Fittings: Sink drains with crumb cup and waste fittings, faucets, and electrical outlets.

I. Service Outlet Covers and Escutcheons: Stainless steel.

J. Service Accessories and Connections:
1. Provide control switch or starter on each motor-driven appliance or heating element, under provisions of UL requirements.
2. Provide internal wiring for equipment, including electrical devices, wiring controls, and switches to a common junction box.
3. Provide suitable length of 4 wire cord with plugs to match building receptacles.
4. Provide lamps for fixtures in equipment.
5. Provide equipment with connection terminals, so that connections of plumbing, gas, steam, electrical, ventilation, and refrigeration services can be made. Where receptacles are specified for custom equipment, supply cut-outs and outlet boxes set in place accessible for connections of electrical work.

2.4 EQUIPMENT

A. Provide rough-in hardware, supports and connections, attachment devices, closure panels, trim strips, and all accessories required for proper operation of equipment.

B. Standard of Comparison: The specified equipment has been established to set a standard of quality and features.

C. If substitutions require different utility/building conditions, electrical, plumbing, ventilation, etc., from those specified, a complete list of those changes for each item shall be included with the request for substitution. Any costs associated with these changes will become the responsibility of this Contractor.

D. Verify direction of door swings.

2.5 FABRICATION

A. General Requirements:
1. Stainless Steel Fastenings and Fittings: Bolts and screws with countersunk flat heads at interior and exterior visible or accessible surfaces. Use concealed fastenings where possible
2. Form edges smooth. Fabricate sheet material for work surfaces, facings, shelves, and drainboards of straight length in one continuous sheet when not over 12 feet in length.
3. Fix leg-mounted units by dowelling to floor with 1/4-inch stainless steel pins, where vibration or oscillation is anticipated.
4. Provide legs with stainless steel adjustable feet. Fasten legs to equipment securely and rigidly.

5. Install rubber or nylon button feet or other protective device on bearing surface of any item positioned on a finished surface.
6. Isolate rotating or reciprocating machinery to prevent noise and vibration.
7. Provide accommodation for installation of final connections by other trades and accessibility to components such as compressors, junction boxes, etc....
8. Grind welds of stainless steel smooth and flush; polish to match adjacent surfaces.
9. Cut and drill components for service outlets and fixtures.
10. Provide access panels where required to access utilities.
11. Shop assemble work where possible.

B. Load Carrying Counter Surfaces: Reinforce frame support system and surfaces so that surfaces may safely support a load of 200 pounds concentrated on one square foot in any area or surface with no indentation showing on surface, and with permanent set not exceeding 0.005 inches.

2.6 FINISHES

A. Metal (Except Stainless Steel): Degrease and phosphate etch followed by primer and minimum 2 coats factory baked epoxy enamel, color as selected by Architect from manufacturer's full range of standard and custom colors.

B. Plastic Laminate: Color as selected by Architect from manufacturer's full range of standard and custom colors.

C. Stainless Steel: Number 4 finish (unless indicated otherwise).

D. Bituminous Paint: Sound deaden internal surfaces of metal work and underside of metal counters and sinks.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify all existing conditions and existing equipment requirements.

B. Verify ventilation outlets, service connections, and supports are correct and in required location.

C. Verify operational condition of existing equipment.

D. Immediately upon finding, Report equipment discrepancies or non-operational equipment to the Architect.

3.2 INSTALLATION

A. Pre installation site visits are required to obtain field measurements, verify finish dimensions, examine rough in progress and to coordinate with trades on site.

B. Use anchoring devices approved by manufacture are made with a material that will not rust and

are appropriate for equipment and expected usage.

C. Verify equipment is installed in accordance with the manufacturer's recommendations and requirement.

D. Insulate to prevent electrolysis between dissimilar metals. Provide sealant to achieve clean joint without crevices.

E. Weld and grind joints in stainless steel work tight, without open seams, where necessary due to limitations of sheet sizes or installation requirements.

F. Sequence installation and erection to ensure mechanical, plumbing and electrical connections are achieved in an orderly and expeditious manner.

G. Cut, fit, and patch where necessary. Coordinate work with other trades.

H. Cut and drill tops, backs or other elements for service outlets, fixtures, and fittings.

I. Provide access panel or cutting and patching of items of this Section required for the installation or services of equipment.

J. Remove and reinstall existing equipment required under this Section. Foodservice Equipment contractor shall verify condition of existing equipment prior to removal, if being reinstalled by this contactor or reused by Owner.

K. Protect new and existing equipment during construction phase as required to prevent damage to equipment.

3.3 EXISTING EQUIPMENT

A. The Owner reserves the right to keep any existing equipment, coordinate with Owner on removal and transportation of equipment to a location of their choice. It shall be the responsibility of this contractor to salvage equipment the Owner chooses not to retain.
   1. Prior to removal from the kitchen any equipment that is labeled existing & relocate, Existing & remains or existing & reuse, the FEC shall verify that the equipment is in working order and document via photos any damage and cleanliness Any damaged or not working equipment should be reported to GC/CM or Architect prior to moving.

B. It shall be the responsibility of this contractor to salvage equipment the Owner chooses not to retain. FEC shall supply a list of salvage equipment (to include description, model, manufacture and serial number) to CM/GC/Owner for sign off prior to removal. Provide document in FSE submittal process.

C. MEP disconnections by related trades, move, store and re-install equipment, ready for utility connection.

D. Coordinate scope of work and timeline with Owner and other trades prior to removal of existing equipment.

E. Clean and re-furbish existing equipment to be re-used to "like new" condition, as noted.

F. It is the responsibility of this contractor to provide storage as required until the piece of equipment is installed or re-installed.

G. It is the responsibility of this contractor to evacuate refrigerant, dismantle and remove all refrigeration equipment associated with existing walk-in cooler, freezer or equipment with remote refrigeration components (as applicable).

3.4 ADJUSTING

A. Upon completion of installation, adjust new and existing equipment and apparatus to ensure proper working order and conditions.

B. If a new piece of equipment is not functioning properly and determined to be non-repairable in the field it shall be removed and replaced with a new piece of equipment.

C. Inspect all equipment and run each piece of equipment through a complete operating cycle to verify that equipment is fully operational.

3.5 CLEANING

A. Cleaning shall be conducted prior to the turn over of the kitchen to the owner

B. Remove masking or protective covering from stainless steel and other finished surfaces. INCLUDING WALK IN PANELS / EXHAUST HOODS, DOOR HANDLES AND TRIM STRIPS.

C. Remove all packing materials and debris from jobsite.

D. Wash and clean new and existing equipment.

E. Polish glass, plastic, hardware and accessories, fixtures and fittings.

3.6 DEMONSTRATION AND TESTING

A. Demonstrations shall be conducted prior to the turnover of the kitchen to owner. FEC shall provide sign in sheet from the demonstration showing attendance and what items were demonstrated. This document will be included with closeout documents. It is expected that the FEC attends all demonstrations to ensure all were conducted.

B. All demonstrations must be coordinated by the FEC and preformed prior to kitchen turn over. All demonstrations/training to be performed by a qualified manufactures representative. Demonstrations must include but not limited to operating procedures and maintenance.

C. Individuals performing demonstration shall be fully knowledgeable of all operating and service aspects of equipment.

D. Test existing and new equipment to confirm equipment is operating as specified prior to demonstration

E. Start-up, test, and adjust new equipment. Authorized factory technicians shall start-up equipment requiring testing and balancing, i.e. hoods, pulping systems, equipment with remote components, etc.

F. All equipment that qualifies for factory startups will be coordinated by FEC and completed prior to equipment turn over to owner.

G. IT SHALL BE THE RESPONSIBILITY OF THE FEC TO ENSURE THAT ALL START UPS ARE COMPLETED AND ANY RETURN TRIPS BY SERVICE AGENT TO FINISH DUE TO INCORRECT CONNECTIONS WILL BE PAID BY THIS CONTRACTOR.

PART 4 - LISTING OF FOODSERVICE EQUIPMENT

4.1 ITEM 1 – WALK-IN COOLER/ FREEZER – ONE (1) REQUIRED

A. Custom Model BALLY outdoor structure with floor Sectional Walk-in Cooler/Freezer complete with doors shall be manufactured by Bally Refrigerated Boxes, Inc. drawing # 323202 Overall size of walk-in shall be approximately 13'- 6" long x 23' 6- 3/4" wide x 8'-7" high, size and configuration per Bally's current drawing# 323202 1drawing (field verify Size).

1. Foam core panels shall be Underwriters Laboratories-listed as having flame spread of 25 or lower and smoke generation of 450 or lower when tested in accordance with ASTME-84-76. Panels shall be approved by Factory Mutual as a Class I building type. They shall be foamed using HCFC expanding agents and shall meet all current international standards.
2. All work and materials shall be in full accordance with local and/or state ordinances, and with other prevailing rules or regulations.
3. Panels shall consist of interior and exterior metals skins precisely foamed with steel and dies and roll-form equipment and thoroughly checked with gauges for accuracy. The metal skins shall be placed into heated molds and liquid urethane injected between them. Urethane shall be foamed-inplace (poured, not frothed) and, when completely heatcured, shall bind tenaciously to the metal skins to form an insulated panel. Panels shall contain 100 percent urethane insulation and have no internal wood or structural members between the skins. To ensure tight joints, panel edges must have foamed-in-place tongues and grooves with a flexible vinyl gasket on the interior and exterior of all tongue edges. Gaskets shall be resistant to damage from oil, fats, water and detergents and must be NSF-approved. Panel thickness shall be 4" thick. Ceiling to be 5" reinforced ceiling
4. Exterior Finish:
   a. All exposed vertical panels to be Kynar finish, all unexposed walls, floor and ceiling shall be Stucco-embossed aluminum.
5. Interior Finish
   a. Floor panels shall 1/8" Aluminum Diamond Tread plate
   b. Walls and ceiling shall be Stucco-embossed aluminum
   c. All panels except corner panels shall be made 11-1/2", 23", 24-1/2" and 46"
6. All panels except corner panels shall be made in 23" and 46" widths, fully interchangeable

for fast, easy assembly. Panels 11-1/2", 17-1/4" or 34-1/2" wide are to be furnished only if required to fit the allocated space. To assure perfect alignment and maximum strength, corner panels shall employ a right-angle configuration with exterior horizontal dimensions of 12" on each side. Vertical panels (except corner panels) shall be supplied in a single length up to 28' high (16" high for installations with aluminum or stainless-steel finish). For outdoor applications, single-height panels greater than 19" (16" for aluminum) or multi-tiered vertical panels must be secured to horizontal girts mounted between building columns. 8. Panels shall be equipped with Bally Speed-lok diaphragmatic joining devices. The distance between locks shall not exceed 46". Each device shall consist of a cam action, hooked locking arm placed in one panel, and a steel rod positioned in the adjoining panel, so that when the arm is rotated, the hook engages the rod and draws the panels tightly together with cam action. Arms and rods shall be housed in individual steel pockets. Pockets on one side of the panel shall be connected to pockets on the other side in width, by the use of 2" -wide metal straps set into and completely surrounded by the insulation. When panels are joined together, these straps shall form lock-to-lock connections for extra strength.

7. Floor Construction –Bally floor panels shall be 4" thick 1/8" Aluminum diamond tread panels that comply with NSF.
8. Supply two (2) Super Doors 36" wide x 78" height. Doors are in-fitting and flush mounted. Magnetic core, thermoplastic gaskets installed on the top edge and both sides of the door shall keep the door in a closed position, forming a tight seal; a flexible, dual blade wiper gasket shall be installed at the bottom of the door. NSF-approved gaskets shall be replaceable and resistant to damage from oil, fats, water and detergent. A heavy U-channel structural steel frame around the perimeter of the door opening shall prevent racking or twisting; steel frame is to be reinforced for hardware attachment. Anti-condensate heater wire shall be concealed behind the metal edge of the doorjambs. The door panel shall also include a vapor-proof interior lamp with LED light fixture; junction box for 120v., 60 cycle, 1 phase, a.c. service (15 amp maximum);
9. Hardware
    a. Supply with each door: three spring-loaded, self-closing hinges and door closer. Provide satin aluminum finish.
10. Door Options
    A. Provide One Observation Window in Each Entrance Door - (A 14" X 14" Heated Observation Window Shall Be Provided in The Entrance Door. It Consists of Three Panes of Glass with Sealed Air Spaces Between Them. The Window Shall Be Supplied with Heated Glass and Frame and Units Shall Be Removable for Replacement.)
    b. Provide one NSF-approved Strip Curtain for each door – clear-vinyl strip curtains shall permit easy passage while minimizing air infiltration.
    c. Bally's standard door latch hardware.
    d. 1/8" D.T. Kickplate Int. & Ext.
11. Options:
    a. Provide Pressure Relief Port in freezer compartment.
    b. Alarm Systems - Provide two (2) 75LC Multi-Monitor w/ push button, (2) motion detectors & (2) MC1F Mag. Contacts. (1) IP1Panic button
    c. Two (2) Modularm 75LC Communicators- Hard wired

d. Vinyl rub rail along entire exposed panels
e. Five (5) LED Kason 1809-3 Lights (2) tube 17" long with strips including bulbs.
f. Provide trim strips alongside walls & closure panels around building door opening (same finish as wall panel).
g. 4" Z Purlin end supports
h. Stainless steel wall anchors
i. 25 LF back to back Z purlin assembly; reinforced walls at Z purlins ever 23"
j. 74 shear plates and wall anchors
k. Outdoor membrane roof 40 mil with tapered insulation
l. Termination bar along exterior building wall
m. Kynar color finish on all (exposed) exterior wall, ceiling and floor panels. Architect to select the color.

12. Construction shall be of a design approved by the national sanitation foundation and shall carry the NSF label of approval mounted on each door section.
13. Warranties
    A. Bally shall warrant that any part of the structure it supplies (except the refrigeration system and its related accessories) is free from defects in materials or workmanship under normal use and service. The insulated panel portion of the structure is warranted free from defects under normal use and service for a period of 10 years from date of installation (but in no event shall the warranty be in force for more than 10 years and 6 months from the date the product was first shipped by bally). Panel surface condition is warranted free from defects under normal use and service for one year from installation, provided the panel is stored and installed according to Bally's instructions. Mechanical (including hardware, gasketing, speed-lok assemblies, aluminum weather roofs) and electrical components, except refrigeration systems (which are covered by a separate warranty) are warranted to be free from defects under normal use and service for one year from date of installation. (in no case shall this portion of the warranty be in force for more than one year and six months from the date the product was first shipped by bally.) The warranty shall not include any labor charges for replacement or repair of defective parts or refrigeration. Full warranty information is to be provided with the walk-in.
14. CONTRACTOR'S RESPONSIBILITIES:
    A. It shall be the responsibility of this contractor to deliver, set-in-place and completely assemble the walk-in components and refrigeration systems. Install trim strips and closure panels (as specified - securely attached and sealed with silicone) between the box and all adjoining wall and ceiling areas. Material shall be of the same type and finish as the walk-in box surface. This contractor shall verify existing building conditions and field verify size and location of space where the walk-in is scheduled to be installed. Coordinate finished floor elevation with the architect.
15. Installation requirements of the walk-in box shall not be limited to but also include the following items:
16. Verify that all panel to panel am locks are fully engaged and stainless cover caps are in place.
17. Entrance door should close and seal on its own. Verify seal at gasket by checking for light from inside of door with interior light turned off. Adjust door hinges as required to obtain a tight seal.

18. Remove all protective coating, shipping materials and packaging labels from panel surfaces, both inside and outside of the box
19. Neatly seal all penetrations/gaps to prevent condensation or ice from occurring. Seal or verify seal at all electrical conduits both internally & externally at entrance point.
20. Fasten door threshold plates to the floor panel using 12-24 x ½ self-tapping screws provided by Bally
21. Check door lock for proper operation, key should rotate freely for 90 degrees from the open to lock position. The key should sassily be removed from the cylinder in either the open or locked position.
22. Verify door frame heater operation. Heater strikes should feel warm to the touch.
    a. Refrigerant used shall .448A All condensing units shall be factory assembled using UL listed or recognized components. Evaporators shall be forced air type, designed for ceiling installation. Freezer evaporators shall come with automatic electric defrost system with time clock, fan delay thermostat, heaters and heated drain pan. Evaporators shall be UL listed or recognized.
    b. Verify location of condensing units with Architect.
    c. It shall be the responsibility of this Contractor to completely install all refrigeration piping and controls (including interconnection of all electric) and pipe drain lines from coils in rigid copper to the floor drain, leaving the unit ready for final connections only by other trades. Drain line heater for freezer shall be supplied and installed by this Contractor. Electrical Contractor to interwire lights to switch.

4.2 ITEM 1A – COOLER REFRIGERATION SYSTEM – ONE LOT (1 LOT) REQUIRED

A. Custom Model BALLY
1. Cooler: One (1) Scroll Condensing Unit – BEZA 011 H8 HT3DB (208-230/3/60) 1.1 HP A/C S/H Outdoor Med Unit (R448A) 8600 BTU.
2. Cooler: One (1) Evaporator Coil -Smart VAP+ intuitive evaporator control technology, adaptive control display and defrost BLP 214MA-S1B TSV Air Defrost with EEV installed. 8600 BTU (115/1/60).
3. 1 ea. Disconnect switch, fused 208-230
4. 1 ea. Heated and Insulated receiver
5. 1 DR200 Compressor Stand (Verify Location with Architect)
6. Five (5) year total refrigeration parts and compressor warranty(s).
7. Refrigeration piping and control wiring by Foodservice Contractor.
8. Installation requirements of the refrigeration system shall not be limited to but include the following:
    a. Purge refrigerant lines with nitrogen while brazing to avoid carbon formation in the line sets. Installation of a field mounted liquid line filter drier is recommending just outside the evaporator cabinet to catch any contaminants that may have entered the system during installation
    b. Perform leak check of all factory & field installed joints and mechanical connections. Double evacuate entire system to 250microns. Weigh in and document refrigerant type and total charge for cold weather operation.
    c. Verify that site voltage is within specifications of equipment. Supply must be 5/+10% of name plate voltage. Verify that all mechanical and connections are tight

and sealed correctly

d. Evaporator drain lines must be properly trapped to avoid moisture and contaminates from being pulled back into the walk in. Maintain adequate slope to allow for a fast removal of moisture from the line
e. Check and set pressure controls with refrigeration gauges. Make certain that differential settings allow the compressor to remain off line during any off-cycle periods
f. Check and adjust superheat at the evaporator coil. Coolers 8-12-degree F. Maintain an minimum of 20 degrees of super heat at the compressor to avoid liquid flood back
g. Suction lines must be insulated properly and neatly with no gaps through the entire length of the run. This insulation should be run through the insulated Bally panel and not just up to the penetration to avoid vapor leaks at the panel juncture.
h. Run systems through a complete operation cycle allowing them to pull down to set point temperature including a defrost cycle to verify all functions, setting and pressures are operation as specified.
i. On Smart VAP Controllers-(smart electric & air defrost systems) adjust the air sensor on the rear of the evaporator coil to a distance of 6" from the face of the coil surface
j. Smart VAP Electric defrost controller Should be set at a factory default for defrost is on a Demand basis. Adjustment under advance menu may be required

4.3 ITEM 1B FREEZER REFRIGERATION SYSTEM – ONE LOT (1LOT) REQUIRED

A. Custom Model BALLY

1. Freezer: One (1) Scroll Condensing Unit – BEZA 045 L8 HT3CC (208-230/3/60) 4.5 HP S/H Outdoor Low Temp 9900 BTU @ -20 suction 95°F 8.5 Amps.
2. Freezer: One (1) Evaporator Coil Smart VAP – BLP 314LE S2BT TSV (208-230/1/60) Evaporator coil.
3. 1 ea. Disconnect switch, fused 208-230
4. 1 ea. Heated and insulated receiver
5. 1 DR 600 Compressor stand (Verify Location with Architect)
6. Five (5) year total refrigeration parts and compressor warranty(s).
7. Refrigeration piping and control wiring by Foodservice Contractor.
8. Installation requirements of the refrigeration system shall not be limited to but include the following:
   a. Purge refrigerant lines with nitrogen while brazing to avoid carbon formation in the line sets. Installation of a field mounted liquid line filter drier is recommending just outside the evaporator cabinet to catch any contaminants that may have entered the system during installation
   b. Perform leak check of all factory & field installed joints and mechanical connections. Double evacuate entire system to 250microns. Weigh in and document refrigerant type and total charge for cold weather operation.
   c. Verify that site voltage is within specifications of equipment. Supply must be 5/+10% of name plate voltage. Verify that all mechanical and connections are tight and sealed correctly
   d. Evaporator drain lines must be properly trapped to avoid moisture and contaminates

from being pulled back into the walk in. When sharing common drain line, make certain to install a trap between any freezer and cooler evaporator to avoid moisture from being drain back into the freezer compartment.

e. Freezer drain lines must be installed using copper pipe. Freezer drains must be heated and insulated to avoid freezing of pipe. Maintain adequate slope to allow for a fast removal of moisture from the line
f. Check and set pressure controls with refrigeration gauges. Make certain that differential settings allow the compressor to remain off line during any off-cycle periods
g. Check and adjust superheat at the evaporator coil. Coolers 8-12-degree F. Maintain an minimum of 20 degrees of super heat at the compressor to avoid liquid flood back
h. Suction lines must be insulated properly and neatly with no gaps through the entire length of the run. This insulation should be run through the insulated Bally panel and not just up to the penetration to avoid vapor leaks at the panel juncture.
i. Run systems through a complete operation cycle allowing them to pull down to set point temperature including a defrost cycle to verify all functions, setting and pressures are operation as specified.
j. On Smart VAP Controllers-(smart electric & air defrost systems) adjust the air sensor on the rear of the evaporator coil to a distance of 6" from the face of the coil surface
k. Smart VAP Electric defrost controller Should be set at a factory default for defrost is on a Demand basis. Adjustment under advance menu may be required

4.4 ITEM 2 – COOLER SHELVING UNITS – ONE LOT (1 LOT) REQUIRED

A. Four tier Metro Model A----NK3 Super Adjustable Super Erecta® Shelf, wire, Metroseal 3 (corrosion-resistant) finish, corner release system, with Microban® antimicrobial protection, NSF.

B. Each shelving unit shall have four (4) Model 74PK3 Super Erecta® SiteSelect™ Post, 74-5/8"H, adjustable leveling bolt, posts are grooved at 1" increments & numbered at 2" increments, double grooved every 8", Metroseal 3™ epoxy-coated corrosion-resistant finish with Microban® antimicrobial protection. Shelving shall be provided as shown on drawing (No "S" clips allowed),
1. It shall be the responsibility of this contractor to verify and adjust shelving sizes to insure proper fit.

4.5 ITEM 3 - COOLER DUNNAGE – ONE LOT (1 LOT) REQUIRED

A. One (1) 2026 New Age Lifetime Series Dunnage Rack, 36"W x 30"D x 12"H, all welded aluminum construction, high-tensile extruded 2" x 2" x 0.100" wall tubing, welded aluminum caps on feet, weight capacity 3000 lbs., NSF, Made in USA
1. 1 ea. Lifetime warranty against rust & corrosion, 5-year workmanship and material defects warranty, standard
2. 1 ea. Model 2028 Dunnage Rack, 60"W x 30"D x 12"H, all welded aluminum construction, 1-1/2" x 1-3/4" x 0.070 tubing, welded aluminum caps on feet, weight

capacity 2500 lbs., (6) legs, NSF, Made in USA

3. It Shall be the responsibility of this contractor to verify and adjust dunnage sizes to insure a proper fit.

4.6 ITEM 4 – FREEZER SHELVING UNITS – ONE LOT (1 LOT) REQUIRED

A. Four tier Metro Model A----NK3 Super Adjustable Super Erecta® Shelf, wire, Metroseal 3 (corrosion-resistant) finish, corner release system, with Microban® antimicrobial protection, NSF.

B. Each shelving unit shall have four (4) Model 74PK3 Super Erecta® SiteSelect™ Post, 74-5/8"H, adjustable leveling bolt, posts are grooved at 1" increments & numbered at 2" increments, double grooved every 8", Metroseal 3™ epoxy-coated corrosion-resistant finish with Microban® antimicrobial protection. Shelving shall be provided as shown on drawing (No "S" clips allowed),

1. It shall be the responsibility of this contractor to verify and adjust shelving sizes to insure proper fit.

4.7 ITEM 5 – FREEZER DUNNAGE – ONE LOT (1 LOT) REQUIRED

A. Four (4) New Age Model 2027 Dunnage Rack, 48"W x 30"D x 12"H, all welded aluminum construction, 1-1/2" x 1-3/4" x 0.070 tubing, welded aluminum caps on feet, weight capacity 3000 lbs., NSF, Made in USA.

1. Lifetime warranty against rust & corrosion, 5-year workmanship and material defects warranty, standard
2. It shall be the responsibility of this contractor to verify and adjust all dunnage sizes to insure a proper fit

4.8 EXISTING EQUIPMENT REMOVALS:

A. It is the responsibility of this contractor to fully remove two (2) existing walk-ins and refrigeration equipment, being replaced with new walk-in cooler/freezer. Refer to 3.3 of this specification for existing equipment requirements.

1. FEC to provide list to owner for sign off on all equipment being removed and disposed of.

4.9 REUSED EXISTING EQUIPMENT:

A. This Kitchen Equipment Contractor (KEC) shall be responsible for identifying, tagging and/or removing all existing equipment, which will be reused. Verify and coordinate specific equipment with these plans and specifications, and the Owner. This shall include items existing, and the associated work necessary, at the time of the signing of the Contract for the Foodservice Equipment section; and shall not include any item(s) added, changed, or damaged (by other than the Kitchen Equipment Contractor (KEC)) after the signing; except to the extent of work which would have been included with the original existing item(s).

B. Remove from existing locations, clean and renovate as noted below, store and re-install

existing equipment to be reused, in the new locations as shown on plans; ready for utility connections, as appropriate. Existing equipment to be reused, with utility connections, shall be removed after disconnection as noted in below paragraph.

C. Do work in cooperation with Owner, so that normal functioning of services is minimally interrupted. Coordinate all removal and replacement scheduling with the Construction Scheduling Manager (or similar responsible party), to ensure adequate time to complete the necessary work. If adequate time to properly relocate and reset the existing items, and complete all cleaning and repair will not be available, due to continuing use of the existing item(s), or the allotted construction time; contact the Owner and obtain a written agreement as to what work is to be deleted or delayed; such as cleaning, repainting, or repairs.

D. All surface dirt, grease, oil, food residues, ingredients, extraneous matter and other soiling materials shall be removed in order to obtain minimum acceptable sanitation and food service standards. Thorough final rinsing of all cleaning agents shall be at a minimum temperature of 180 degrees F where possible without damage to equipment or controls. Otherwise, use USDA approved cleaning agents and/or cleaning agents, which are acceptable for use with commercial food service equipment. This shall include all exterior surfaces of the existing equipment to be reused, and interior work surfaces such as inside oven compartments, fryer vats, ware washers, etc.

E. All painted items with major paint blemishes shall be sanded, primed, and repainted to match the original color and type paint. Primer and paint shall be of a type approved for use with commercial food service equipment. All controls, lights, view windows, non-painted parts, etc. shall be protected as recommended by the Manufacturer. Minor paint blemishes shall be touched-up in a professional manner. This work shall be included in the Bid Submittal, as a separate line cost, at the end of the Bid Submittal.

F. Replace or repair minor broken parts to produce a cleanable and functional item, where possible. Repairs and/or parts shall be for minor required items such as control knobs, handles, pilot lamps, belts, oil changes, minor adjustments and recalibrations, etc. This shall not include addition or replacement of any wearing components such as cutters, blades, etc.; or any accessory components such as mixer beaters, hooks, whips, etc., except for presently existing accessory components which are broken and nonfunctional, or as noted in the itemized specifications.

4.10 EXISTING CONDITIONS:

A. It is the responsibility of this contractor to fully review the existing conditions of the building and the new kitchen location. This contractor shall be familiar with access to the kitchen location, including equipment access by elevators, stairwells, corridors, openings, including access around the exterior of the building for a crane or hoisting equipment (if required). It will be the responsibility of this contractor to coordinate equipment installation with the owner, CM, GC, etc.

4.11 PLUMBING OF EQUIPMENT

A. The plumbing and food service equipment contractors are to comply with 1370-a and 1110, Subpart 67-4 of Title 10 (Health) of the Official Compilation of Codes, Rules and Regulations of the State of New York. All outlet fixtures used for drinking or cooking shall be tested by Owner prior to being put into service. All test results in exceedance of the action level shall require the fixture to be replaced until satisfactory test results are obtained at no additional cost to Owner."

PART 5 - DETAILS OF CONSTRUCTION

5.1 DETAIL DRAWINGS

A. The following details are a part of these specifications and shall be referred to for additional design requirements: FS-01, FS-02, FS-03 & FS-04

END OF SECTION

GENERAL STRUCTURAL NOTES:

1. BUILDING CODE: BUILDING CODE OF NEW YORK STATE, LATEST EDITION
2. CONSTRUCTION LOADING: DURING CONSTRUCTION, THE GENERAL CONTRACTOR SHALL LIMIT AND CONTROL CONSTRUCTION LOADING, INCLUDING BUT NOT LIMITED TO:
   a. MATERIAL STOCKPILING AND EQUIPMENT TO PRECLUDE OVERSTRESSING, CONSTRUCTION LIVE LOAD IN EXCESS OF 20 PSF, OR DAMAGE TO ANY STRUCTURAL ELEMENT.
3. COORDINATION WITH OTHER DISCIPLINES: THE CONTRACTOR SHALL COORDINATE ALL STRUCTURAL WORK WITH THE ARCHITECTURAL, ELECTRICAL, MECHANICAL, PLUMBING AND FIRE PROTECTION DRAWINGS AND SPECIFICATIONS.
4. EXISTING CONDITIONS: THE INFORMATION SHOWN ON THESE DOCUMENTS IS THE BEST REPRESENTATION OF EXISTING CONDITIONS AVAILABLE TO THE ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY AND BRING TO THE ENGINEER'S AND CONSTRUCTION MANAGER'S ATTENTION ANY DISCREPANCIES PRIOR TO COMMENCING WORK.
5. EXISTING STRUCTURES: ALL EXISTING STRUCTURES ADJACENT TO NEW WORK ARE TO BE ADEQUATELY PROTECTED AND/OR SUPPORTED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY NEW OR EXISTING CONSTRUCTION DAMAGED WHILE WORK IS IN PROGRESS.
6. OPENINGS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING SIZE AND LOCATION OF ALL OPENINGS IN NEW AND EXISTING CONSTRUCTION WITH THE DISCIPLINE REQUIRING THEM.

FOUNDATION NOTES:

1. NO GEOTECHNICAL INFORMATION WAS AVAILABLE AT THE TIME OF DESIGN. ASSUMED ALLOWABLE BEARING PRESSURE = 2,000 PSF.
2. TAKE ALL NECESSARY PRECAUTIONS WHEN EXCAVATING OR DRILLING ADJACENT TO EXISTING STRUCTURES TO AVOID DISTURBING EXISTING FOUNDATIONS. DO NOT EXCAVATE BELOW EXISTING FOUNDATIONS. CONTACT THE ENGINEER IF EXISTING CONDITIONS DIFFER FROM THOSE SHOWN ON THE DRAWING.
3. ALL EXCAVATIONS SHALL FULLY CONFORM TO LOCAL, STATE AND FEDERAL SAFETY REGULATIONS.
4. DO NOT BACKFILL AGAINST CONCRETE ELEMENTS UNTIL PLACED CONCRETE HAS REACHED 75% OF ITS SPECIFIED 28-DAY COMPRESSIVE STRENGTH.
5. BACKFILL BOTH SIDES OF FOUNDATION WALLS IN EQUAL, ALTERNATE LIFTS IN ORDER TO AVOID IMPOSING UNBALANCED LATERAL PRESSURE ON THE WALLS.
6. ALLOW TESTING AGENCY TO INSPECT AND APPROVE ALL COMPACTED SUBGRADE AND FILL LAYERS PRIOR TO FURTHER BACKFILL AND/OR PLACEMENT OF CONCRETE. TESTING AND INSPECTION RESULTS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER.
7. THE SUITABILITY AND STABILITY OF EXISTING SOILS AND FILL, THE DEPTHS AND LATERAL LIMITS OF UNSUITABLE MATERIAL TO BE REMOVED, AND ADEQUACY OF FOUNDATION BEARING GRADES SHALL BE DETERMINED BY THE PROJECT GEOTECHNICAL ENGINEER.
8. BACKFILL AND FILL MATERIALS SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY ACCORDING TO THE MODIFIED PROCTOR TEST (ASTM D-1557). ALL EXISTING BACKFILL SHALL BE RECOMPACTED AS SUCH.
9. EXCAVATION AND BACKFILL OPERATIONS SHALL BE MAINTAINED IN A DRY CONDITION. SURFACE AND INFILTRATING WATER SHALL BE REMOVED BY SITE GRADING AND/OR BY PUMPING FROM SUMPS AS REQUIRED.

STRUCTURAL DESIGN TABLE

(IN ACCORDANCE WITH APPLICABLE BUILDING CODE)

BUILDING DATA:			
BUILDING OCCUPANCY RISK CATEGORY		III	IBC 2018 TABLE 1604.5
BUILDING USE GROUP		E	IBC 2018 SECTION 302
APPLICABLE BUILDING CODE		2020 NYS BUILDING CODE	
DEAD LOAD:			
ROOF		ACTUAL MATERIAL WEIGHTS	ASCE 7-16 Table C3.1-1a
FLOOR LIVE LOAD:			
KITCHEN & GYMNASIUM	LL1	100 PSF	IBC 2018 TABLE 1607.1
ROOF LIVE LOAD:			
ROOF	LLr	20 PSF	IBC 2018 TABLE 1607.1
SNOW LOAD:			
SNOW LOAD IMPORTANCE FACTOR	Is	1.1	ASCE 7-16 TABLE 1.5-2
GROUND SNOW LOAD	Pg	60	IBC 2018 FIGURE 1608.2
SNOW EXPOSURE FACTOR	Ce	1.0	ASCE 7-16 TABLE 7.3-1
THERMAL FACTOR	Ct	1.0	ASCE 7-16 TABLE 7.3-2
FLAT ROOF SNOW	Pl	46.2 PSF	ASCE 7-16 SECTION 7.3
MINIMUM ROOF SNOW	Pm	22 PSF	ASCE 7-16 SECTION 7.3

CONCRETE NOTES:

1. SUBMITTALS
   a. SUBMIT SHOP DRAWINGS FOR REINFORCING, INCLUDING ALL NECESSARY ACCESSORIES TO HOLD REINFORCING SECURELY IN PLACE, FOR REVIEW AND APPROVAL. WHERE RESUBMITTAL OF SHOP DRAWINGS IS REQUIRED, ALL REVISIONS SHALL BE CLEARLY IDENTIFIED BY CLOUDING AND REVISION TAGS.
   b. SUBMIT FOR REVIEW ALL MATERIALS AND METHODS FOR CONCRETE CURING.
2. PROVIDE THE FOLLOWING MINIMUM CONCRETE CLEAR COVER FOR REINFORCING STEEL, UNLESS OTHERWISE NOTED.:
   a. CONCRETE PLACED AGAINST EARTH: 3.0 IN.
3. ALL CONCRETE WORK, CONSTRUCTION, AND REINFORCING DETAILS SHALL CONFORM TO THE "BUILDING CODE OF NEW YORK STATE, LATEST EDITION".
4. ALL REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 318.
5. ALL REINFORCING BARS SHALL CONFORM TO ASTM A615 GRADE 60.
6. ALL REINFORCING SHALL BE LAPPED OR EMBEDDED IN ACCORDANCE WITH ACI 318, UNLESS OTHERWISE NOTED.
7. PROVIDE CORNER BARS TO MATCH ALL HORIZONTAL REINFORCING AT CORNERS OR INTERSECTIONS.
8. CHAMFER EXTERIOR CORNERS AND EDGES OF PERMANENTLY EXPOSED CONCRETE.
9. PRIOR TO PLACEMENT OF CONCRETE, A FIELD REPRESENTATIVE SHALL BE INFORMED A MINIMUM OF 24 HOURS IN ADVANCE OF PLACEMENT, TO ALLOW INSPECTION OF REINFORCING STEEL, AND PREPARATION FOR TAKING CONCRETE SAMPLES. INDEPENDENT TESTS ARE REQUIRED FOR ALL CONCRETE PLACEMENTS.
10. INSTALLATION OF REINFORCEMENT SHALL BE COMPLETED AT LEAST 24 HOURS PRIOR TO THE SCHEDULED CONCRETE PLACEMENT.
11. EPOXY ADHESIVE: HILTI HIT-HY 200 OR SIMPSON SET EPOXY.
12. GROUT: NON-METALLIC/NON-SHRINK STRUCTURAL GROUT. FIVE STAR GROUT OR APPROVED EQUAL.
13. PROTECT CONCRETE FROM PREMATURE DRYING IMMEDIATELY AFTER PLACEMENT. CURING OF CONCRETE SLABS MUST START WITHIN 2 HOURS AFTER FINISHING OPERATIONS ARE COMPLETE. SLABS-ON-GRADE SHALL BE WET CURED FOR 7 DAYS. CURING COMPOUNDS ARE PROHIBITED.
14. SLABS-ON-GRADE SHALL HAVE CONTROL JOINTS AS SHOWN ON PLANS. SAW CUT JOINTS SHALL BE MADE WITHIN 12 HOURS OF PLACING SLAB. AFTER CONCRETE IS CURED AND READY FOR PLACEMENT OF FLOOR FINISH, ALL SLABS INSIDE THE BUILDING SHALL HAVE CONTROL JOINTS FILLED WITH APPROVED JOINT FILLER.
15. CONCRETE SHALL BE CONTROLLED, PROPORTIONED, MIXED AND PLACED IN THE PRESENCE OF A REPRESENTATIVE OF AN APPROVED TESTING AGENCY.
16. CONDUIT OR PIPES SHALL BE PLACED UNDER SLABS-ON-GRADE.
17. ALUMINUM CONDUITS OR PIPES SHALL NOT BE PLACED IN CONCRETE.
18. AIR-ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM C260 AND WATER-REDUCING ADMIXTURES SHALL CONFORM TO ASTM C494

CONCRETE MIX NOTES:

1. SUBMIT MIX DESIGNS FOR REVIEW AND APPROVAL.
2. FOOTINGS, FOUNDATION WALLS, AND SLAB-ON-GRADE: PROPORTION NORMAL-WEIGHT CONCRETE MIXTURE AS FOLLOWS:
   a. MINIMUM COMPRESSIVE STRENGTH: 4500 PSI AT 28 DAYS.
   b. MAXIMUM WATER-CEMENTITOUS MATERIALS RATIO: 0.5.
   c. SLUMP LIMIT: 4 INCHES PLUS OR MINUS 1 INCH. IF ADMIXTURES ARE USED TO IMPROVE WORKABILITY, THE MAXIMUM SLUMP LIMITS MAY BE RELAXED WITH ENGINEER'S APPROVAL.
   d. AIR CONTENT: 5.5 PERCENT PLUS OR MINUS 1.5 PERCENT, AT POINT OF DELIVERY.
   e. COARSE AGGREGATE: 1-INCH NOMINAL MAXIMUM AGGREGATE SIZE.

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REVISION:

DRAWING NAME: GENERAL NOTES

DRAWN BY: SMM | DATE: 6/6/2023 | PROJECT NO.: 2222717

PROJECT NAME: UTICA CSD - JFK MIDDLE SCHOOL - FREEZER ADDITION
500 DEERFIELD DR EAST, UTICA, NY 13502

DETAIL NO./REVISED SHEET:

SHEET NUMBER: SKS-1

10/11/2022 2:07:29 PM

CONCRETE TESTING AND INSPECTION NOTES:

1. TESTING AND INSPECTING: OWNER WILL ENGAGE A QUALIFIED TESTING AND INSPECTING AGENCY TO PERFORM TESTS AND INSPECTIONS AND PREPARE THE TEST REPORTS.
2. INSPECTIONS:
   a. STEEL REINFORCEMENT PLACEMENT.
   b. VERIFICATION OF USE OF REQUIRED DESIGN MIXTURE.
   c. CONCRETE PLACEMENT, INCLUDING CONVEYING AND DEPOSITING.
   d. CURING PROCEDURES AND MAINTENANCE OF CURING TEMPERATURE.
   e. VERIFICATION OF CONCRETE STRENGTH BEFORE REMOVAL OF SHORES AND FORMS AND VERIFICATION OF DESIGN STRENGTH PRIOR TO LOADING FOUNDATIONS.
3. CONCRETE TESTS: TESTING OF COMPOSITE SAMPLES OF FRESH CONCRETE OBTAINED ACCORDING TO ASTM C172 SHALL BE PERFORMED PRIOR TO LOADING FOUNDATIONS.
   a. TESTING FREQUENCY: OBTAIN TWO COMPOSITE SAMPLES FOR FOUNDATION POUR. IF MORE THAN ONE DELIVERY TRUCK, OBTAIN SAMPLES FROM EACH DELIVERY TRUCK IN EQUAL RATIO.
   b. SLUMP: ASTM C143; ONE TEST AT POINT OF PLACEMENT FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE. PERFORM ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY APPEARS TO CHANGE.
   c. AIR CONTENT: ASTM C231, PRESSURE METHOD, FOR NORMAL-WEIGHT CONCRETE; ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
   d. CONCRETE TEMPERATURE: ASTM C1064; ONE TEST HOURLY WHEN AIR TEMPERATURE IS 40 DEG F AND BELOW AND WHEN 80 DEG F AND ABOVE, AND ONE TEST FOR EACH COMPOSITE SAMPLE.
   e. UNIT WEIGHT: ASTM C567, FRESH UNIT WEIGHT OF STRUCTURAL CONCRETE; ONE TEST FOR EACH COMPOSITE SAMPLE, BUT NOT LESS THAN ONE TEST FOR EACH DAY'S POUR OF EACH CONCRETE MIXTURE.
   f. COMPRESSION TEST SPECIMENS: ASTM C31.
   g. CAST AND LABORATORY CURE ONE SET OF TWO STANDARD CYLINDER SPECIMENS FOR EACH COMPOSITE SAMPLE. COORDINATE NUMBER OF TESTS WITH OWNER TO DETERMINE APPROPRIATE NUMBER OF CYLINDERS FOR MACHINE INSTALLATION.
   h. COMPRESSIVE-STRENGTH TESTS: ASTM C39; TEST ONE SET OF TWO LABORATORY-CURED SPECIMENS AT 7 DAYS, AT 10 DAYS, AT 14 DAYS, AND ONE SET OF TWO SPECIMENS AT 28 DAYS.
   i. A COMPRESSIVE-STRENGTH TEST SHALL BE THE AVERAGE COMPRESSIVE STRENGTH FROM A SET OF TWO SPECIMENS OBTAINED FROM SAME COMPOSITE SAMPLE AND TESTED AT AGE INDICATED.
   j. STRENGTH: CONCRETE MIXTURE WILL BE SATISFACTORY IF COMPRESSIVE-STRENGTH TEST EQUALS OR EXCEEDS SPECIFIED COMPRESSIVE STRENGTH AND NO INDIVIDUAL CYLINDER COMPRESSIVE-STRENGTH TEST VALUE FALLS BELOW SPECIFIED COMPRESSIVE STRENGTH BY MORE THAN 500 PSI.
   k. TEST RESULTS SHALL BE REPORTED IN WRITING TO ENGINEER, CONCRETE MANUFACTURER, AND CONTRACTOR WITHIN 48 HOURS OF TESTING. REPORTS OF COMPRESSIVE-STRENGTH TESTS SHALL CONTAIN PROJECT IDENTIFICATION NAME AND NUMBER, DATE OF CONCRETE PLACEMENT, NAME OF CONCRETE TESTING AND INSPECTING AGENCY, LOCATION OF CONCRETE BATCH IN WORK, DESIGN COMPRESSIVE STRENGTH AT 28 DAYS, CONCRETE MIXTURE PROPORTIONS AND MATERIALS, COMPRESSIVE BREAKING STRENGTH, AND TYPE OF BREAK.
   l. NONDESTRUCTIVE TESTING: IMPACT HAMMER, SONOSCOPE, OR OTHER NONDESTRUCTIVE DEVICE MAY BE PERMITTED BY ENGINEER BUT WILL NOT BE USED AS SOLE BASIS FOR APPROVAL OR REJECTION OF CONCRETE.
   m. ADDITIONAL TESTS: AT CONTRACTOR'S EXPENSE, TESTING AND INSPECTING AGENCY SHALL MAKE ADDITIONAL TESTS OF CONCRETE WHEN TEST RESULTS INDICATE THAT SLUMP, AIR ENTRAINMENT, COMPRESSIVE STRENGTHS, OR OTHER REQUIREMENTS HAVE NOT BEEN MET, AS DIRECTED BY ENGINEER. TESTING AND INSPECTING AGENCY MAY CONDUCT TESTS TO DETERMINE ADEQUACY OF CONCRETE BY CORED CYLINDERS COMPLYING WITH ASTM C42 OR BY OTHER METHODS AS DIRECTED BY THE ENGINEER.
   n. ADDITIONAL TESTING AND INSPECTING, AT CONTRACTOR'S EXPENSE, WILL BE PERFORMED TO DETERMINE COMPLIANCE OF REPLACED OR ADDITIONAL WORK WITH SPECIFIED REQUIREMENTS.
   o. AT CONTRACTOR'S EXPENSE, CORRECT DEFICIENCIES IN THE WORK THAT TEST REPORTS AND INSPECTIONS INDICATE DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS.

STRUCTURAL STEEL NOTES:

1. SUBMITTALS:
   a. SUBMIT SHOP DRAWINGS FOR STRUCTURAL STEEL FOR REVIEW AND APPROVAL WHERE SUBMITTAL OF SHOP DRAWINGS IS REQUIRED, ALL REVISIONS SHALL BE CLEARLY IDENTIFIED BY CLOUDING AND REVISION TAGS.
   b. WELDER QUALIFICATIONS
   c. WELDING PROCEDURE FOR WELDING TO EXISTING STEEL
2. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:
   a. WIDE FLANGE SHAPES:.....ASTM A992
   b. PLATES, BARS AND ANGLES:.....ASTM A36
3. ANCHOR RODS SHALL CONFORM TO THE FOLLOWING:
   ANCHOR RODS (U.O.N.).....ASTM F1554, GRADE 36, WELDABLE (S1)
4. WELDING ELECTRODES SHALL CONFORM TO THE FOLLOWING:
   AWS SPECIFICATIONS FOR ELECTRODES BASED ON WELDING PROCESS AND THE TYPE AND GRADE OF STEEL. E70XX ELECTRODES (MIN.) FOR FILLET WELDS.
5. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN STRICT ACCORDANCE WITH THE LATEST AISC SPECIFICATIONS.
6. SHOP FABRICATE TO THE GREATEST EXTENT POSSIBLE BY WELDING INCLUDING BEAM STIFFENERS, COLUMN CAPS AND BASES, HOLES AND CONNECTIONS.
7. ALL WELDING BOTH SHOP AND FIELD SHALL BE PERFORMED BY CERTIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS. WELDING ELECTRODES SHALL CONFORM TO E70-XX. MINIMUM WELD SIZE SHALL BE 1/4 INCHES (FILLET) UNLESS OTHERWISE NOTED.
8. ALL EXTERIOR MEMBERS, LINTELS, ASSEMBLIES OR COMPONENTS SHALL BE GALVANIZED AND PAINTED.
9. FINISH: GALVANIZED IN ACCORDANCE WITH ASTM A780.
10. AFTER ERECTION, ALL DAMAGED AREAS AT ALL FIELD WELD LOCATIONS, SHALL BE TOUCHED UP IN ACCORDANCE WITH ASTM A780 IF FINISH IS GALVANIZED.

SPECIAL INSPECTION NOTES:

1. ALL PREFABRICATED ITEMS SHALL BE MANUFACTURED BY APPROVED AND CERTIFIED SHOPS.
2. SPECIAL INSPECTIONS WILL BE REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE OWNER'S TESTING AND SPECIAL INSPECTION REPRESENTATIVES.
3. SEE CHART FOR STRUCTURAL SPECIAL INSPECTIONS AND ADDITIONAL INFORMATION.

GENERAL DEMOLITION NOTES:

1. DEMOLISH AND REMOVE EXISTING CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS REQUIRED TO COMPLETE THE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS FOLLOWS:
   a. NEATLY CUT OPENINGS AND HOLES PLUMB, SQUARE, AND TRUE TO DIMENSIONS REQUIRED. USE CUTTING METHODS LEAST LIKELY TO DAMAGE CONSTRUCTION TO REMAIN OR ADJOINING CONSTRUCTION. USE HAND TOOLS OR SMALL POWER TOOLS DESIGNED FOR SAWING OR GRINDING, NOT HAMMERING AND CHOPPING, TO MINIMIZE DISTURBANCE OF ADJACENT SURFACES. TEMPORARILY COVER OPENINGS TO MAINTAIN A WATERTIGHT CONDITION UNTIL PERMANENT CONSTRUCTION IS COMPLETE.
   b. ASBESTOS CONTAMINATED MATERICAL (ACM) / HAZARDOUS MATERIALS:
   .... i. NO ACM SURVEY HAS BEEN PERFORMED FOR THIS PROJECT
   c. DISPOSE OF DEBRIS OFF-SITE PROMPTLY AT CONTRACTOR'S EXPENSE AND IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS AND CODES.
2. SELECTIVE DEMOLITION PROCEDURES FOR SPECIFIC MATERIALS:
   a. REINFORCED CONCRETE: DEMOLISH IN SMALL SECTIONS. SAW CUT CONCRETE TO A DEPTH OF AT LEAST 3/4 INCH AT JUNCTURES WITH CONSTRUCTION TO REMAIN. DISLODGE CONCRETE FROM REINFORCEMENT AT PERIMETER OF AREAS BEING DEMOLISHED, CUT REINFORCEMENT, AND THEN REMOVE REMAINDER OF CONCRETE INDICATED FOR SELECTIVE DEMOLITION USING MAXIMUM 15-LB CHIPPING HAMMER. NEATLY TRIM OPENINGS TO DIMENSIONS INDICATED.
3. CLEANING:
   CLEAN ADJACENT STRUCTURES AND IMPROVEMENTS OF DUST, DIRT, AND DEBRIS CAUSED BY ALL DEMOLITION OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE DEMOLITION OPERATIONS BEGAN.

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DRAWING NAME: GENERAL NOTES	DRAWN BY: SMM	DATE: 6/6/2023	PROJECT NO.: 2222717
PROJECT NAME: UTICA CSD - JFK MIDDLE SCHOOL - FREEZER ADDITION, 500 DEERFIELD DR EAST, UTICA, NY 13502	DETAIL NO./REVISED SHEET:		SHEET NUMBER: SKS-2

STATEMENT OF SPECIAL INSPECTIONS

LOCATION	JFK MIDDLE SCHOOL
OWNER	UTICA CSD
DESIGN PROFESSIONAL IN CHARGE	SARAH MARTINA, PE

This statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the applicable building code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This Statement of Special Inspections encompasses the following disciplines: STRUCTURAL. The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge (RDP). Discovered discrepancies shall be brought to the immediate attention of the contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the RDP. The Special Inspection program does not relieve the contractor of his or her responsibility for quality assurance.

Interim reports shall be submitted to the Building Official and the RDP.

A Final Report of Special Inspections documenting completion of all required Special Inspections, testing, and correction of any discrepancies noted in the inspections shall be submitted by the special Inspection Coordinator prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the contractor.

Interim reports shall be submitted monthly.

In accordance with the applicable building code, the Observations and Inspections listed in the Schedule of Special Inspections are required.

SCHEDULE OF INSPECTION AND TESTING AGENCIES

SPECIAL INSPECTION AGENCIES	FIRM	ADDRESS	TELEPHONE No.
Special Inspection Coordinator			
Inspector			

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent in accordance with the applicable building code, and not by the Contractor or Subcontractor whose work is to be inspected or tested. An approved agency shall be objective, competent and independent from the contractor responsible for the work being inspected. The agency shall also disclose to the building official and the registered design professional in responsible charge possible conflicts of interest so that objectivity can be confirmed.

STATEMENT OF CONTRACTORS RESPONSIBILITY

In accordance with the applicable building code, each contractor responsible for the construction of a main wind or seismic force-resisting system, designated seismic system or a wind or seismic force-resisting component listed in the statement of special inspections above shall submit a written statement of responsibility to the building official and the owner or the owner's authorized agent prior to the commencement of work on the system or component. The contractor's statement of responsibility shall contain acknowledgement of awareness of the special requirements contained in the statement of special inspections.

QUALIFICATIONS OF INSPECTORS AND TESTING TECHNICIANS

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test of inspection have a specific certification or license as indicated below, such designation shall appear below the Agency Number on the Schedule.

PE/SE	Structural Engineer - a licensed PE specializing in the design of building structures
PE/GE	Geotechnical Engineer - a licensed PE specializing in soil mechanics and foundations
EIT	Engineer - In - Training - a graduate engineer who as passed the Fundamentals of Engineering examination
AMERICAN CONCRETE INSTITUTE (ACI) CERTIFICATION	
ACI-CFTT	Concrete Field Testing Technician - Grade 1
ACI-CCSI	Concrete Construction Special Inspector
ACI-LTT	Laboratory Testing Technician - Grade 1&2
ACI-STT	Strength Testing Technician
AMERICAN WELDING SOCIETY (AWS) CERTIFICATION	
AWS-CWI	Certified Welding Inspector
AWS/AISC-SSI	Certified Structural Steel Inspector
INTERNATIONAL CODE COUNCIL (ICC) CERTIFICATION	
ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector
NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)	
NICET-CT	Concrete Technician - Levels I, II, III, & IV
NICET-ST	Soil Technicians - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

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PROJECT NAME: UTICA CSD - JFK MIDDLE SCHOOL - FREEZER ADDITION

DRAWING NAME: SPECIAL INSPECTIONS

DRAWN BY: SWM

DATE: 05/2023

PROJECT NO.: 2222717

SHEET NUMBER: SKS-3

SCHEDULE OF STRUCTURAL SPECIAL INSPECTIONS

THE FOLLOWING TABLES COMPRISES THE STRUCTURAL SPECIAL INSPECTION REQUIREMENTS FOR THIS PROJECT IN ACCORDANCE WITH CHAPTER 17 OF THE 2018 INTERNATIONAL BUILDING CODE W/ APPLICABLE STATE AMENDMENTS. REFER TO THE PROJECT SPECIFICATIONS FOR REQUIRED QUALIFICATIONS OF ALL PERSONNEL PERFORMING SPECIAL INSPECTION ACTIVITIES AND ADDITIONAL TESTING INFORMATION.

EARTHWORK - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	PERIODIC	-	1705.6
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC		
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	PERIODIC		
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	CONTINUOUS		
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	PERIODIC		

CAST-IN-PLACE CONCRETE - REQUIREMENTS FOR SPECIAL INSPECTION & TESTING

AREAS OF INSPECTION & TESTING	FREQUENCY OF INSPECTION OR TESTING	REFERENCE STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	PERIODIC	ACI 318 CH. 20, 25.2, 25.3, 26.6.1 - 26.6.3	1908.4
2. REINFORCING BAR WELDING: A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706; B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" C. INSPECT ALL OTHER WELDS.	 PERIODIC PERIODIC CONTINUOUS	AWS D1.4 ACI 318: 26.6.4	-
3. INSPECT ANCHORS CAST IN CONCRETE	PERIODIC	ACI 318: 17.8.2	-
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. [b] a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	 CONTINUOUS PERIODIC	 ACI 318: 17.8.2.4 ACI 318: 17.8.2	 - -
5. VERIFY USE OF REQUIRED DESIGN MIX.	PERIODIC	ACI 318: CH. 19, 26.4.3, 26.4.4	1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	CONTINUOUS	ASTM C172 ASTM C31 ACI 318: 26.4, 26.12	1908.10
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	CONTINUOUS	ACI 318: 26.5	1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	ACI 318: 26.5.3 - 26.5.5	1908.9
9. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES B. GROUTING OF BONDED PRESTRESSING TENDONS.	 CONTINUOUS CONTINUOUS	ACI 318: 26.10	-
10. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS.	PERIODIC	ACI 318: CH. 26.9	-
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS.	PERIODIC	ACI 318: 26.11.2	-
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	PERIODIC	ACI 318: 26.11.2 (b)	-

a. WHERE APPLICABLE, SEE SECTION 1705.12, SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE.
b. SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE INCLUDED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318. OR OTHER QUALIFICATION PROCEDURES. WHERE SPECIFIC REQUIREMENTS ARE NOT PROVIDED, SPECIAL INSPECTION REQUIREMENTS SHALL BE SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE COMMENCEMENT OF THE WORK.

LaBella
Powered by partnership.
300 State Street, Suite 201
Rochester, NY 14614
585-454-6110
labellapc.com

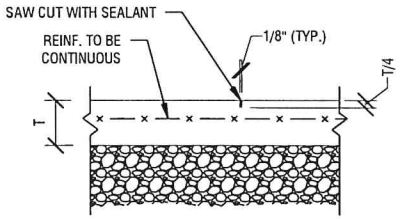
PROJECT NAME: UTICA CSD - JFK MIDDLE SCHOOL - FREEZER ADDITION
500 DEERFIELD DR EAST, UTICA, NY 13502

DRAWING NAME: SPECIAL INSPECTIONS

DRAWN BY: SMM
DATE: 5/6/2023
PROJECT NO.: 2222717

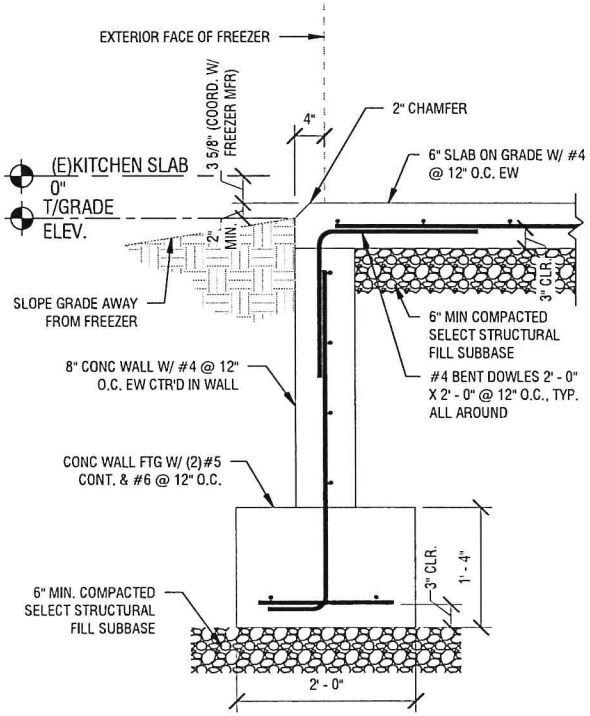
DETAIL NO./REVISED SHEET
SHEET NUMBER: SKS-4

REVISION



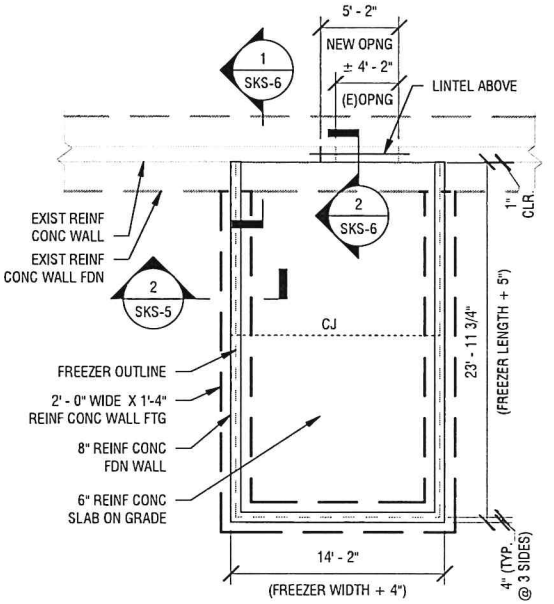
3 SKS-5 TYPICAL SLAB-ON-GRADE CONTROL JOINT

3/4" = 1'-0"



2 SKS-5 TYPICAL FOUNDATION WALL SECTION

3/4" = 1'-0"



1 SKS-5 FREEZER PAD FOUNDATION PLAN

1/8" = 1'-0"

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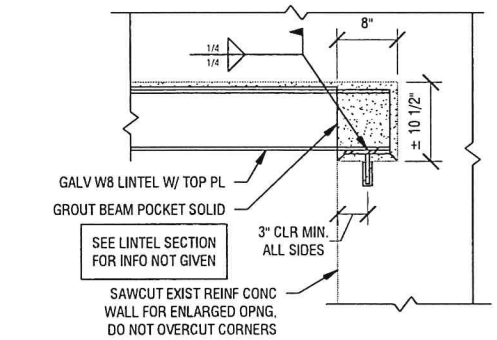
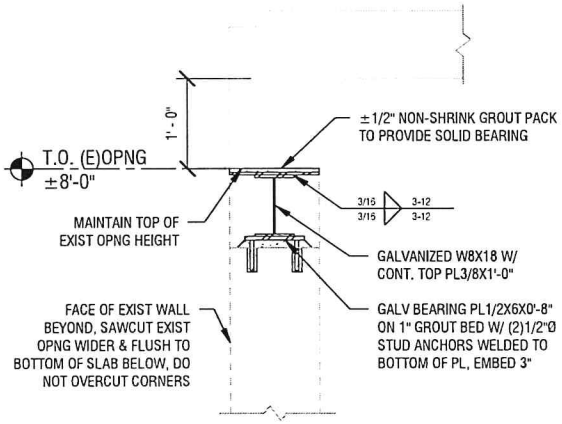
REVISION:			
DRAWING NAME: FREEZER PAD PLAN & DETAILS	DRAWN BY: SMM	DATE: 6/6/2023	PROJECT NO.: 2222717
PROJECT NAME: UTICA CSD - JFK MIDDLE SCHOOL - FREEZER ADDITION, 500 DEERFIELD DR EAST, UTICA, NY 13502	DETAIL NO./REVISED SHEET:		SHEET NUMBER: SKS-5

10/11/2022 2:07:29 PM



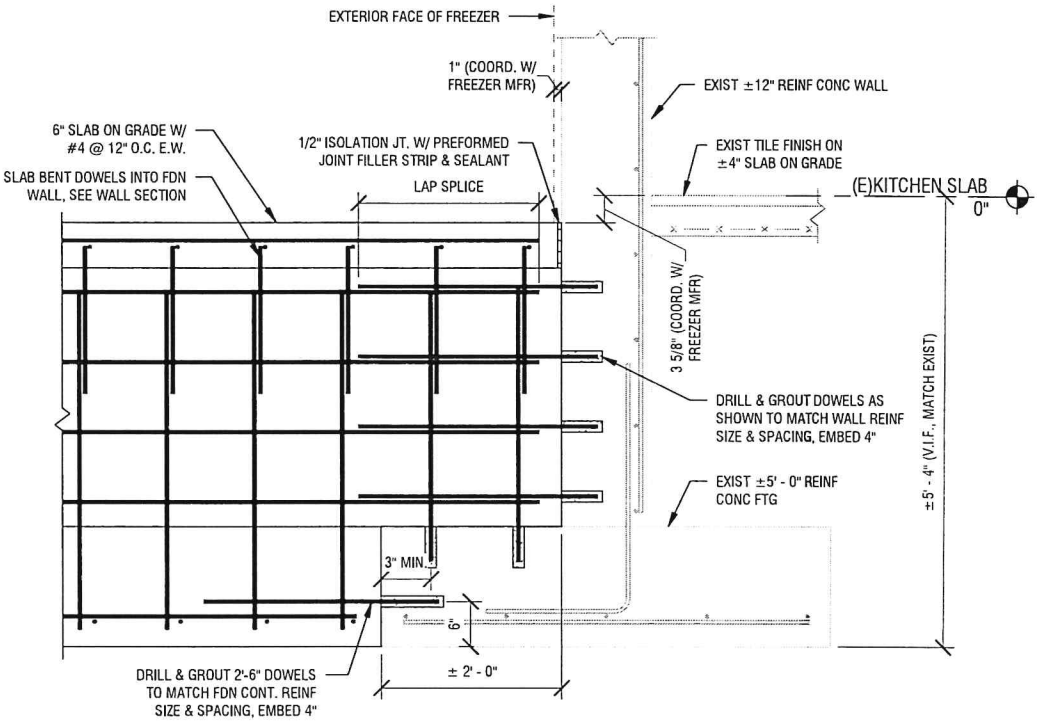
3 SKS-6 LINTEL BEARING DETAIL

3/4" = 1'-0"



2 SKS-6 ADDED LINTEL SECTION

3/4" = 1'-0"



1 SKS-6 TYPICAL ADDED FOUNDATION AT EXIST FOUNDATION

3/4" = 1'-0"

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REVISION:			
DRAWING NAME: FREEZER PAD DETAILS	DRAWN BY: SMM	DATE: 6/6/2023	PROJECT NO.: 2222717
PROJECT NAME: UTICA CSD - JFK MIDDLE SCHOOL - FREEZER ADDITION, 500 DEERFIELD DR EAST, UTICA, NY 13502	DETAIL NO./REVISED SHEET:		SHEET NUMBER: SKS-6

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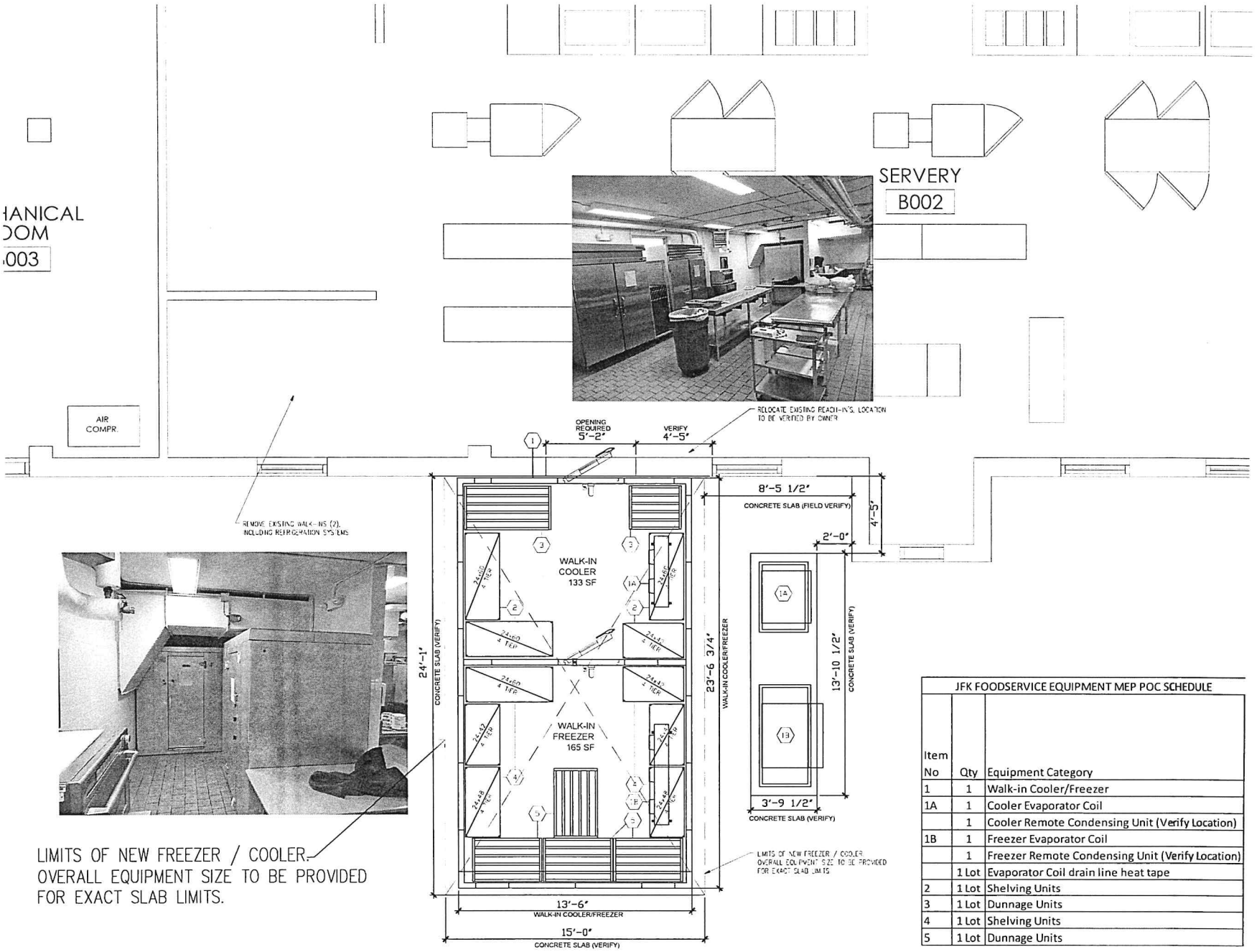


WALK-IN COOLER/FREEZER DRAWING ①

SCALE 1/2" = 1'-0

JFK FOODSERVICE EQUIPMENT MEP POC SCHEDULE

Item No	Qty	Equipment Category
1	1	Walk-in Cooler/Freezer
1A	1	Cooler Evaporator Coil
	1	Cooler Remote Condensing Unit (Verify Location)
1B	1	Freezer Evaporator Coil
	1	Freezer Remote Condensing Unit (Verify Location)
	1 Lot	Evaporator Coil drain line heat tape
2	1 Lot	Shelving Units
3	1 Lot	Dunnage Units
4	1 Lot	Shelving Units
5	1 Lot	Dunnage Units

Utica City School District

COOLER / FREEZER PROJECT

JOHN F. KENNEDY MIDDLE SCHOOL

STIEGLITZ SNYDER ARCHITECTURE PROJECT 20.08

MDB JAY

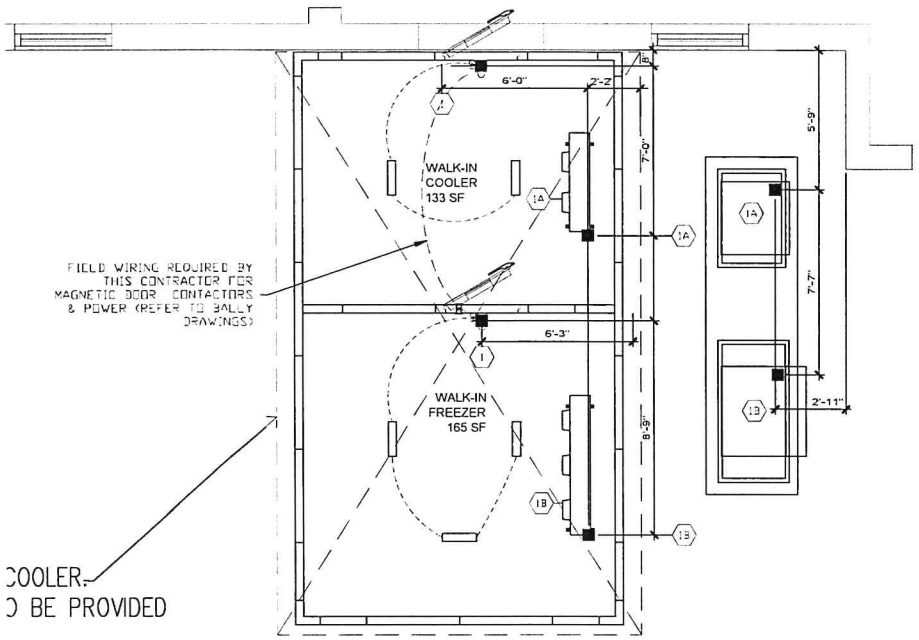
As Noted

MAY 24, 2023

JFK MIDDLE SCHOOL

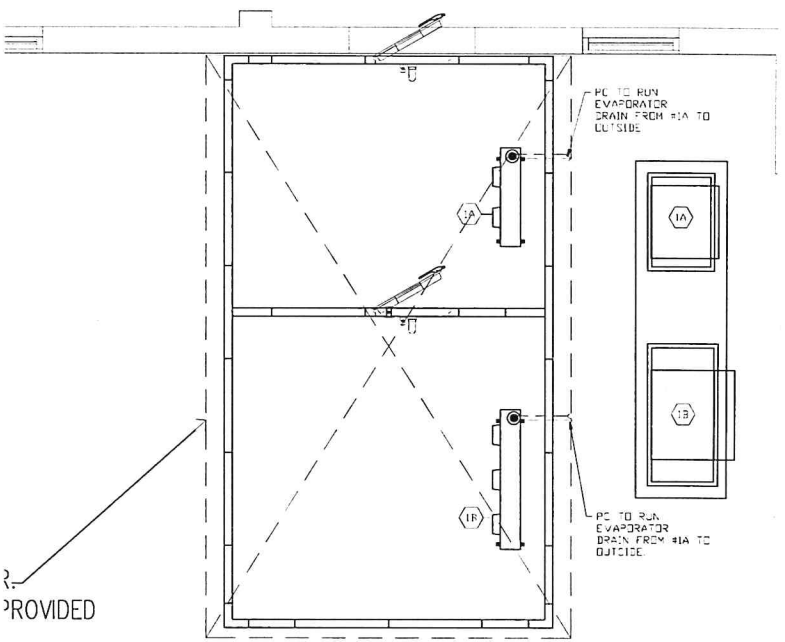
WALK-IN COOLER/FREEZER DRAWING

FS-01



WALK-IN COOLER/FREEZER ELECTRICAL DRAWING (1)

SCALE: 1/2" = 1'-0



WALK-IN COOLER/FREEZER PLUMBING DRAWING (2)

SCALE: 1/2" = 1'-0

SYMBOL/ ABBREVIATION SCHEDULE

PLUMBING - HEATING

ELECTRICAL

MISCELLANEOUS

NOTE

THIS PLAN IS AN INSTRUMENT OF SERVICE PREPARED FOR THE CONVENIENCE OF THE ARCHITECT, ENGINEERS, AND RODERS. IT IS AS ACCURATE AS CAN BE DETERMINED AT THIS DATE WE WILL NOT BE RESPONSIBLE FOR ANY DISCREPANCIES WHICH MAY DEVELOP BETWEEN LOCATIONS OF CONNECTIONS SHOWN AND ACTUAL LOCATIONS OF CONNECTIONS OF FIXTURES FURNISHED. THE FOOD SERVICE EQUIPMENT CONTRACTOR WILL FURNISH DIMENSIONED PLANS. CONNECTIONS SHOWN ARE APPROX. LOCATIONS AND ARE FOR REFERENCE ONLY!

JFK FOODSERVICE EQUIPMENT MEP POC SCHEDULE

Item No	Qty	Equipment Category	Amps	KW	HP	Volts	Phase	Direct	Electrical AFF (in)	Plug	NEMA	Electrical Remarks	Indir Drain Size (in)	Indir Drain AFF (in)	Plumbing Remarks	Item No
1	1	Walk-in Cooler/Freezer	(2) 20.0			120	1	X	104			Notes# B & F			No Plumbing Req.	1
1A	1	Cooler Evaporator Coil	2.3			115	1	X	104				0.75	78	Notes# A & C	1A
	1	Cooler Remote Condensing Unit (Verify Location)	14.1		1.1	208	3	X				Note# E			No Plumbing Req.	
1B	1	Freezer Evaporator Coil	16.8			208	1	X	104				0.75	78	Notes# A & C	1B
	1	Freezer Remote Condensing Unit (Verify Location)	19.4		4.5	208-230	3	X				Note# E			No Plumbing Req.	
	1 Lot	Evaporator Coil drain line heat tape	15.0			120 (VFY)	1	X	104			Note# D			No Plumbing Req.	
2	1 Lot	Shelving Units										No Electric Req.			No Plumbing Req.	2
3	1 Lot	Dunnage Units										No Electric Req.			No Plumbing Req.	3
4	1 Lot	Shelving Units										No Electric Req.			No Plumbing Req.	4
5	1 Lot	Dunnage Units										No Electric Req.			No Plumbing Req.	5

GENERAL NOTES:

- **"A"** This contractor to interpipe waste to the outside
- **"B"** This contractor shall interwire extra LED light supplied by Bally
- **"C"** This contractor to interpipe all refrigeration piping between unit and remote condesning unit.
- **"D"** This contractor to provide and install heat tape for evaporator drain line
- **"E"** Remote condensing unit location TBD by architect.
- **"F"** This contractor shall interwire magnetic door conactors and power.

Note: This Contractor shall verify ALL information on this drawing, including NEMA outlet configurations and connections, prior to ordering, by submitting catalog cuts. These drawings shall be read in conjunction with the Mechanical, Plumbing and Electrical drawings. This contractor shall verify MEP requirements for all existing equipment.

STIEGLITZ SNYDER ARCHITECTURE PROJECT 20.08

Utica City School District

COOLER / FREEZER PROJECT

JOHN F. KENNEDY MIDDLE SCHOOL

MDB JAK

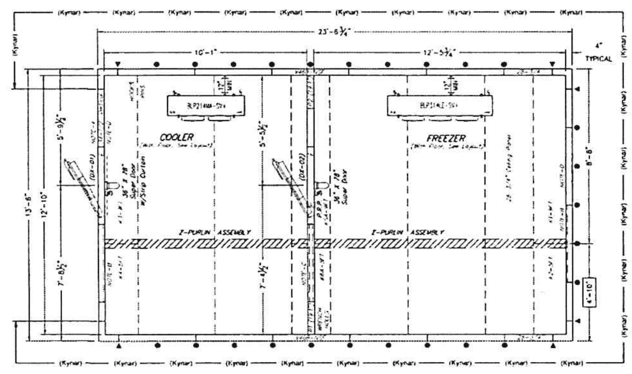
As Noted

MAY 24, 2023

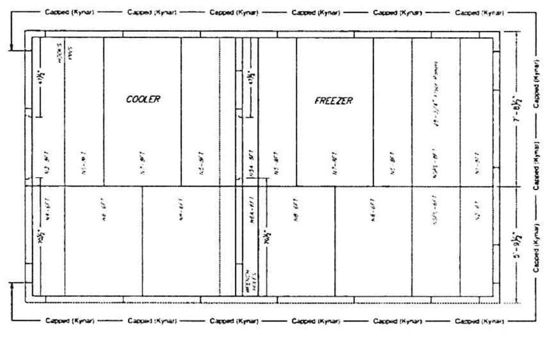
JFK MIDDLE SCHOOL

WALK-IN COOLER/FREEZER DRAWING

FS-02

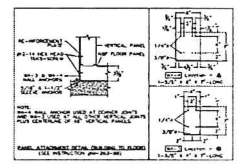


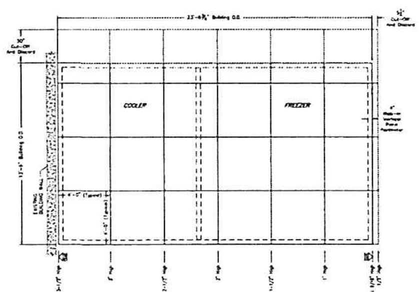
Ceiling & Vertical Layout



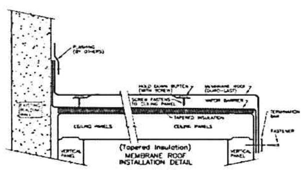
Floor Layout

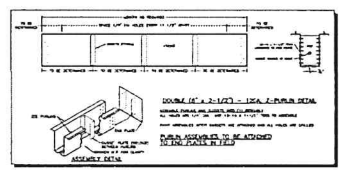
PLAN VIEW—A
SCALE: 3/8" = 1' - 0"

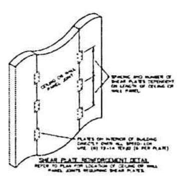




Tapered Insulation Layout
SCALE: 1/4" = 1'-0"







SPECIFICATIONS

23'-6 3/4" X 13'-6" X 8'-7" (With Floor, W/5" Reinforced Ceilings)

INSTALLATION

- OUTDOOR
- LOADING HEIGHT – AT LEAST 18" OF OPEN SPACE MUST BE MAINTAINED BETWEEN TOP OF PRODUCT AND CEILING PANELS
- AS AN ADDED PRECAUTION AGAINST WATER LEAKS, BALLY RECOMMENDS THAT ALL EXTERIOR PANEL JOINTS BE CAULKED DURING ASSEMBLY.
- BALLY TO FURNISH A MEMBRANE ROOF. SEE DURO-LAST INSTALLATION INSTRUCTIONS.

INSULATION

- FOAMED IN-PLACE POURED URETHANE
- 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

- EMBOSSED GALVALUME CEILINGS
- KYNAR (ADVISE COLOR) AS SHOWN
- STUCCO ALUMINUM REMAINDER

INTERIOR FINISH

- STUCCO ALUMINUM

FLOOR FINISH

- (INTERIOR) 1/8" DIAMOND TREAD
- (EXTERIOR) STUCCO ALUMINUM

DOORS/ACCESSORIES

- (2) 36" X 78" RIGHT SWING HINGED WALK-IN DOOR

  Door Options:
  (2) Super Doors: 3rd Hinge & 36" High Dia. Tread In & Out
  (1) Radius Depression Type Stepplate
  (1) Radius Partition Type Stepplate
  (1) Pressure Relief Port
  (2) 14" x 14" Obs. Window (Heated) W/Ext. Cross-Over Cord
  (1) Strip Curtain (Shipped Loose)
  (1) Modularm 75LC (2-REQ'D)
  (2) Mag. Contact
  (2) Motion Detector
  (1) IP1 Panic Button (FREEZER)

REFRIGERATION – BY BALLY (CONDENSING UNIT MOUNTED OUTDOORS)

QTY	H/P	REFR TYPE	MODEL NUMBER	POWER SUPPLY	COMPRESSOR RLA	COMPRESSOR LRA	FAN MOTOR QTY	FAN MOTOR HP	FAN MOTOR FLA	TOTAL WATTS DEFROST	AMPS	MCA	MAX FUSE	CMPT
1	1.1	R448A	BEZA011H5-HT3DB	208-230/3/60	10.4	58	1		1.1		11.5	14.1	20	C
1			BLP214AA-S1BT-SVH	115/1/60			2	1/15	1		2	2.1	15	C
1	4.5	R448A	BEZA045L9-HT3CC	208-230/3/60	13.8	99	1		2.1		15.9	19.4	30	F
1			BLP314LE-S2BT-SVH	208-230/1/60			3	1/15	0.6	2150	11.9	14.8	15	F

- ALL CONDENSATION DRAIN LINES MUST BE SLOPED 1:12 — INSTALLATION BY OTHERS
- FREEZER CONDENSATION DRAIN LINES MUST BE HEATED, INSULATED AND TRAPPED INDIVIDUALLY

- (2) FUSED DISCONNECT SWITCH
- (2) HEATED & INSULATED RECEIVER
- (1) DR200 COMPRESSOR STAND
- (1) DR600 COMPRSSOR STAND

- NOTE: REFRIGERATION IS BEING MANUFACTURED WITH SMART-VAP TECHNOLOGY (2) SEPARATE POWER SOURCES, (1) TO THE CONDENSING UNIT AND (1) TO THE SMARTVAP EVAPORATOR ARE REQUIRED.

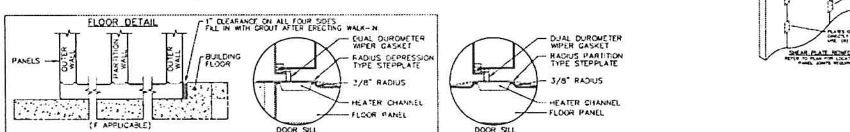
CEILING SUPPORT

- Z-PURLIN ASSEMBLY

GENERAL NOTES

- NOTE-A: MEMBRANE ROOF FLANGED UP ALONG THIS EDGE. FLASHING TO BUILDING WALL BY OTHERS. BALLY SUGGESTS AN OPENING SIZE IN EXISTING WALL TO MATCH THE SAME SIZE AS THE BALLY DOOR PANEL. SEE SECTION VIEW AND ELEVATION FOR SIZE.
- NOTE: BALLY TO FURNISH TAPERED INSULATION. SLOPE: 12" / 1/4". BALLY TO FURNISH (#000330) 4 MIL. VAPOR BARRIER (10FT WIDE) FOR INSTALLATION BETWEEN MEMBRANE ROOF AND TAPERED INSULATION.

- NOTE-B: BALLY TO FURNISH (1) 1/8"H.R. X 8" HIGH X 45" TAPPING PLATE FOAMED IN PLACE AGAINST INTERIOR SKIN OF VERTICAL PANEL. TAPPING PLATE LOCATED AT TOP OF VERTICAL FOR CEILING SUPPORT.
- NOTE-C: BALLY TO FURNISH (1) 1/8"H.R. X 8" HIGH X 45" TAPPING PLATE FOAMED IN PLACE AGAINST INT. & EXT. SKIN OF VERTICAL PANEL. TAPPING PLATE LOCATED AT TOP OF VERTICAL FOR CEILING SUPPORT.
- NOTE-D: BALLY TO FURNISH SHEAR PLATES AT ALL SPEED-LOK LOCATIONS ON CEILING JOINTS AND ALONG THIS WALL (See Detail).
- NOTE: ALL VERTICALS TO BE R.E.B. (REINFORCED EXTERIOR BOTTOM)
- NOTE: BALLY TO FURNISH (5) K1809-3 LED LIGHTS W/STRIPS (17" LONG) LIGHTS MOUNTED AND WIRED BY OTHERS. (LIGHTS SHIPPED LOOSE) (DOOR LIGHT SWITCH 12-AMP MAXIMUM)
- NOTE: ALL CONDUIT ENDS AT J-BOXES MUST BE SEALED INTERNALLY BY INSTALLER (AFTER WIRES ARE RUN).
- NOTE: BALLY TO FURNISH STUCCO ALUMINUM CLOSURE TRIM ADVISE: QUANTITY AND TYPE REQUIRED. CLOSURE TRIM MOUNTED BY OTHERS.
- NOTE: BALLY TO FURNISH (1) MODULARM 75LC COMMUNICATOR (SHIPPED LOOSE & INSTALLED BY OTHERS).



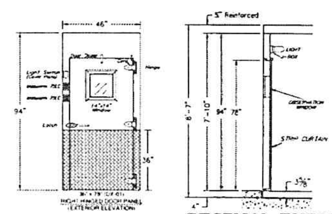
NOTE: BEARING SURFACE UNDER FLOOR PANELS MUST BE LEVEL AND DRY. BOTTOM OF PANELS MUST HAVE AT LEAST 80% CONTACT WITH FLOORS.

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.

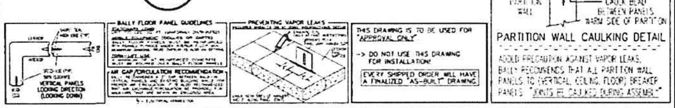
NOTE: THESE DRAWINGS ARE INTENDED TO SERVE AS GUIDE LINE DRAWINGS ONLY. THEY ARE NOT INTENDED TO BE CONSTRUCTION DRAWINGS AS CONDITIONS MAY VARY WIDELY. DIMENSIONAL AND MATERIAL DESIGN TO BE DETERMINED BY PROJECT CONSTRUCTION ENGINEER.

DESIGN LOADS
- LIVE LOAD = 100 PSF
- DEAD LOAD = 6 PSF
- WIND SPEED = 108 MPH
- CODE = UBC

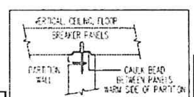


SECTION THRU ENTRANCE DOOR
SCALE: 3/8" = 1' - 0"   SHEET 1 OF 1

NSF



THIS DRAWING IS TO BE USED FOR "APPROVAL ONLY".
-> DO NOT USE THIS DRAWING FOR INSTALLATION!
EVERY SHIPPED ORDER WILL HAVE A FINALIZED "AS-BUILT" DRAWING.



PARTITION WALL CAULKING DETAIL

ADDED PRECAUTION AGAINST VAPOR LEAKS. BALLY RECOMMENDS THAT ALL PARTITION WALL PANELS TO (VERTICAL, CEILING, FLOOR) BREAKER PANELS "JOINTS BE CAULKED DURING ASSEMBLY"

SIGNED APPROVAL
SIGNED ____________
DATE ____________

PLEASE READ

IMPORTANT – PLEASE READ
THESE DRAWINGS ARE NOT TO BE CONSIDERED AS APPROVED BY LOCAL OR STATE BUILDING AUTHORITIES.

REV	DESCRIPTION	BY	DATE
2	REVISED DOOR LOCATIONS, Z-PURLIN LOCATION & EVAP LOCATIONS	MJH	09/23/22
1	REVISED DOOR LOCATIONS & DESIGN LOADS	MJH	04/01/20

Bally Refrigerated Boxes Inc.

FOR: UTICA CITY JFK MS

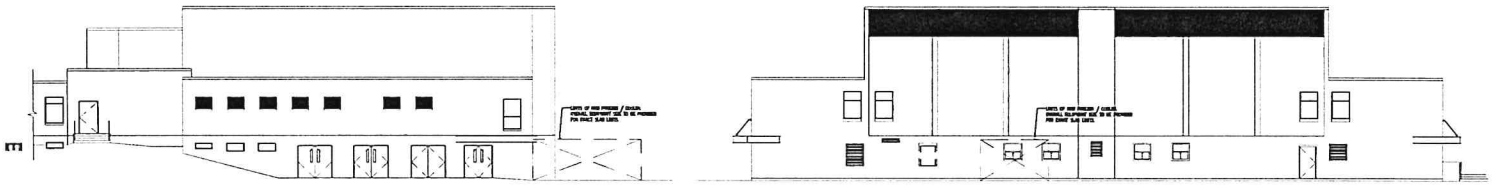
323202AD
DRAWN BY: MJH
DATE: 03/31/20
323202

WALK-IN COOLER/FREEZER ITEM# 1 DRAWING (1)
SCALE: NTS

Utica City School District
COOLER / FREEZER PROJECT
JOHN F. KENNEDY MIDDLE SCHOOL
STIEGLITZ SNYDER ARCHITECTURE PROJECT 20.08

MOB   JAF
As Noted
MAY 24, 2023
JFK MIDDLE SCHOOL
WALK-IN COOLER/FREEZER DRAWING

FS-03



EXTERIOR BUILDING ELEVATIONS DRAWING ①

SCALE 3/32" = 1'-0"

STIEGLITZ SNYDER ARCHITECTURE

Utica City School District

COOLER / FREEZER PROJECT

JOHN F. KENNEDY MIDDLE SCHOOL

STIEGLITZ SNYDER ARCHITECTURE PROJECT 20.08

Drawn by	MDB
Checked by	JAK
Scale	As Noted
Date	MAY 24, 2022

JFK MIDDLE SCHOOL

EXTERIOR BUILDING ELEVATONS DRAWING

FS-04