

DOVER AREA MIDDLE SCHOOL PROJECT SPECIFICATIONS

TOTAL PROJECT OVERVIEW:

Remove and replace the existing walk-in refrigerator, walk-in freezer and gas convection oven located within the Dover Area Middle School kitchen. Adhere to all of the provided information, documentation and equipment specifications provided by the Dover Area School District. Work with the Dover Area School District representatives to achieve a completed project. The contractor is responsible for the coordination of the job site and ensuring that all required building related codes are observed and within compliance. Onsite work to be started on or after June 2, 2024, and final completion / full operation by August 11, 2025.

Specifications under the contract as follows:

- General Specifications

1. Contractor to provide all necessary labor, material, equipment and permits to complete the project.
2. Contractor must verify with an authorized equipment manufacturer representative that the specified equipment and equipment sizing for the project are correct.
3. The contractor is to be liable for damage to all property. Vehicles may not be left unoccupied without the prior removal of the ignition key.
4. All equipment being replaced, containers and trash created by the contractor shall be removed from Dover Area School District property.
5. It is the contractor's responsibility to make themselves familiar with the location and site conditions prior to proposal submission. Dover Area School District will not accept any additional charges or delays for failure to do so. Onsite visits must be scheduled through the Director of Facilities.
6. The District's Summer hours will be in effect during this project. The normal work week schedule for this project will be Monday - Thursday, 6:00 am – 4:30 pm.
7. In the event of a delay in the Middle School kitchen project final completion date as listed, the contractor shall pay liquidated damages to Dover Area School District in the amount of \$750 per day.

- Demolition Specifications

1. Contractor to remove all of the specified existing refrigeration equipment, insulated walls, bulkhead, refrigeration line sets, electrical and mechanical components associated with the existing walk-in refrigerator and existing walk-in freezer. If any component will be reutilized for the new equipment it may be left in place.
2. The flooring located beneath the existing walk-in refrigerator and freezer will remain unchanged.
3. Make any necessary accommodations to the flooring, walls, ceiling, etc. for the new walk-in refrigerator and new walk-in freezer for mechanical and electrical components.

- Installation Specifications

1. Use the existing power from the mechanical room located within the Middle School basement, to the kitchen, and extend to the rooftop location of the equipment above the kitchen dry storage.
2. The existing power for both of the new walk-ins must remain to be tied into the emergency generator power circuit.
3. Provide the correct manufacturer specified refrigeration line sets to the rooftop location above the library.
4. All refrigeration circuit piping must be brazed.
5. All necessary electrical wiring and refrigeration line sets for the roof top location to run above/along the ceiling of the kitchen area, penetrating the roof above the existing District Wide freezer and onto the rooftop area.
6. All interior refrigeration line sets located in finished spaces must be concealed in a line set cover system.
7. The newly installed roof top equipment must be elevated above the existing roof level and meet manufacturer specifications. Any modifications made to the existing roofing material must follow standard roofing practices, to ensure no damage or leakage.
8. Install all of the specified new 4" insulated vertical, horizontal, and floor panels per manufacturer specifications to construct the new walk-in refrigerator and walk-in freezer boxes.
9. Install new interior floor ramps inside of the boxes to accommodate the elevation change from the exterior to the interior of the insulated boxes.
10. Interior lighting of each insulated box consists of one jelly jar fixture located near the door, and two LED fixtures evenly spaced within the insulated box.
11. Freezer condensate line shall be made of copper, insulated, and heat traced the entire run within the insulated box and flow into the existing floor drain.
12. Refrigerator condensate line shall be made of copper and flow into the existing floor drain.
13. Construct a new bulkhead above the exposed perimeter of the new walk-ins. Panels should be metal and removable for future access.
14. New gas convection oven must be properly located under the existing kitchen hood, beside the existing combi-oven and can utilize existing electrical and gas connections.
15. Any accommodations that need to be made to the existing combi-oven to ensure placement of the new gas convection oven under the existing hood are the responsibility of the contractor.
16. Start up and/or commissioning of all new equipment shall be per the manufacturer's specifications to ensure equipment warranty compliance.

ITEM 1 – WALK-IN FREEZER/REFRIGERATOR (1 required)

Bally Refrigerated Box – Walk-In Indoor Structure Freezer or similar unit

Equipment Specifications

- Bally Prefabricated Exterior Dimensions or equivalent:
- 23'-1" (l) x 12'-0 3/4" (w) x 9'-6" (h)
- 2 Compartments, 1 Tiers, With Floor 4" Floor
- Ceiling – Single Span
- Panel thickness:
 - 4-inch Exterior Vertical Used (8'-10") with 4-inch Partition, 4-inch Floor, 4-inch Ceiling
- Interior Floor Ramp:
 - Interior Aluminum Tread Plate .125" Thick Floor Ramp for Both Walk-ins.
- Base Finish:
 - Vertical and Ceiling Panels: Embossed Galvalume (26 GA)
- Special Finishes:
 - Interior Floor – Aluminum Tread Plate .125" Thick
- Doors/Openings:
 - Wall 1 Door 1 - (1) 36" x 78" Hinged Door In a 46"
 - Wall 1 Door 1 - (1) Bally Standard Pressure Relief Port (< 400 sq/ft)
 - Wall 1 Door 1 - (1) Door Window (14 x 14) - 4" Door
 - Wall 1 Door 1 - (1) Strip Curtain (36" Door and Under)
 - Wall 1 Door 1 - (1) Super Door 36" Wide and Under, 36" High
 - Wall 1 Door 1 - (1) Super Door 36" Wide and Under, 36" High
 - Wall 1 Door 2 - (1) 36" x 78" Hinged Door In a 46"
 - Wall 1 Door 2 - (1) Door Window (14 x 14) - 4" Door
 - Wall 1 Door 2 - (1) Strip Curtain (36" Door and Under)
 - Heated Freezer/Refrigerator Door Gaskets and Door Windows.
- Refrigeration:
 - (1) BEZA 009 H8 HT3DB (208-230/3/60) w/ smart speed scroll unit 9840 BTU/h or Trenton Refrigeration Equivalent
 - (1) BEZA 025 L8 HT3DB (208-230/3/60) w/ smart speed scroll unit or Trenton Refrigeration Equivalent
 - (1) BLP209LE-S2D SV+ 208-230/1/60 Electric Defrost with EEV Installed or Trenton Refrigeration Equivalent
 - (1) BLP209MA-S2D-SV+ 208-230/1/60 Air Defrost with EEV Installed or Trenton Refrigeration Equivalent

ITEM 2- CONVECTION OVEN, GAS (1 required)**American Range Model M-2 Dimensions: 68(h) x 40(w) x 46(d) or similar unit**

- Majestic Convection Oven, gas, double-deck, bakery depth, thermostatic controls, temperature range 150°-500° F, one hour timer, 2-speed fans, (5) chrome racks with {12} rack positions per deck, porcelainized interior, 50/50 glass doors, stainless steel front, sides, top, stacking kit with casters (2 locking), 53 .0kW, 180,000 BTU, cETLus, Ell-Sanitation, ENERGY STAR ®, Made in USA
- Standard two-year limited warranty on parts & labor
- Natural Gas
- Specify elevation if over 2,000 ft.
- 120v/ 60/ 1-ph, standard
- Glass doors, double add suffix "GG" to model number, per deck
Double Glass Door, Double Solid Door, of 50/50 Glass/Solid all available at same price. Preference needs specified on PO.
- Model A23059 One Point Gas Connection, for double stacked ovens
- Model A37804 B-type Hood Vent Adapter, for double deck

**ELECTRICAL**

	VOLTS	CYCLE	PHASE	CONN	AFF	NEMA	AMPS	KW	HP	MCA	MOCP
1	120	60	1								

GAS

	SIZE	MBTU	KW	CONN
1	3/4"	90.00	26.0	
2	3/4"	90.00	26.0	

STEAM

	INLET SIZE	RETURN SIZE	LB/HR	PSIG (MIN)	PSIG (MAX)
1					
2					