1. Set in place in location as shown on drawings.  
2. Size and configuration as shown on drawings.  
3. Provide unit with two (2) heavy duty stainless steel exterior doors.  
4. Provide each door fitted with a 12" long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.  
5. Provide a positive seal self-closing doors with 90° stay open feature.  
6. Provide stainless steel front, top and ends, and matching aluminum finished back on the exterior.  
7. Provide attractive, NSF approved, clear coated aluminum liner, with stainless steel floor with coved corners.  
8. Provide unit with four (4) 2-1/2" heavy duty, non-marking stem casters, two (2) with brakes.  
9. Provide an 5-3/8", full length removable cutting board with sanitary, high-density, NSF approved white polyethylene which provides a tough preparation surface.  
9. Provide a refrigerated pan rail which comes standard with twenty four (1/6 size) 6-7/8"L x 6-1/4@W x 4"D NSF approved clear polycarbonate insert pans.  
10. Provide heavy-duty flat glass lid keeps pan temperatures colder and locks in freshness while enabling maximum product visibility.  
11. Must meet all applicable federal, state, and local laws, rules, regulations, and codes.  
  
ITEM #: REFRIGERATION RACK  
Quantity: One (1)  
Manufacturer: RDT  
Model No.: IRW11  
Pertinent Data: Water Cooled, Indoor, On Emergency Power, See Drawing #FS  
Utilities Req’d: 208V/3PH; 147.2A; 1-1/2” Chilled Water Supply @ no more than 150 PSI, 1-1/2” Chilled Water Return  
  
See plans for location and placement of item with reference to adjoining equipment.   
Furnish and set in place per manufacturer’s standard specifications and the following:  
1. Set in place in location as shown on drawings.  
2. Rack dimensions are 123-1/4” long x 43-1/4” wide x 70” high, and weighs 1,900 pounds.  
3. Any and all curbing shall be provided by the General Contractor.  
4. All core holes to be provided and fireproofed by the General Contractor.  
5. All copper tubing to be refrigerant grade Type “L”. Hard copper joints to be sweat type fittings; mechanical bends are not acceptable.  
6. All suction lines with vertical rise of 15 feet or more are to be trapped for proper oil return.  
7. For steel to copper connections, use silver solder; for copper to copper connections, use silfos. Do not use soft solders on refrigerant lines.  
8. All piping to be pressure tested with nitrogen at 300 psi.  
9. All completed refrigeration systems must be evacuated to 500 microns or less with vacuum pump.  
10. UL listed package with main fused disconnect, pre-piped and prewired for single point connection.  
11. Insulate suction lines back to all compressors.  
12. Provide plastic isolation bushings for copper to metal contact to prevent leakage.  
13. Compressors to be scroll type with suction and discharge valves.  
14. Provide compressor with shutoff valves, electronic oil failure control, breakers, and wiring for each.  
15. Replaceable liquid line drier with valves, pressure controls fitted with “super hoses”, sight glass, and oil separator.  
16. Provide five-year compressor warranty and one-year parts and labor.  
17. K.E.C. shall contract with certified, licensed Refrigeration Mechanic possessing a certification 40 CFR Part 82 subpart F, as mandated by the E.P.A.  
18. The following compressors AC, and all refrigeration box components for the following compressors must be connected to the building emergency power supply by the electrical contractor:  
System “A1” Item #7, Trash Cooler   
System”A2” Item #, Produce Cooler   
System “A3” Item #, Dairy Cooler   
System”A4” Pastry Room  
System”A5” Item #, Garde Manger Cooler   
System “A6” Item #, Protein Cooler   
System ”A7” Meat/Fish/Poultry Preparation   
System “A8” Item #, Banquet Cooler  
System “A9” Item #, Beer/Wine Cooler   
System “B1” Item #, General Freezer   
System “B2” Item #, Protein Freezer   
System “C” Item #, Blast Chiller  
19. KEC shall be fully responsible for providing and coordinating installation of freon leak detection system for Item #, Refrigeration Rack, that shall monitor all refrigeration components included in the project.  
20. Refrigeration system must meet all 2009 IFC and IMC Codes for Mechanical Refrigeration Section 606.  
21. KEC shall be fully responsible for providing and coordinating installation of individual line shut off valves so that if one unit goes down for service the entire system is not shut down.  
22. Unit shall be supplied with a crossover valve in the event the Chilled water loop is interrupted than the unit shall be chilled by city water.  
23. Provide shop drawings for approval prior to fabrication.  
24. Must meet all applicable federal, state, and local laws, rules, regulations, and codes.