ITEM #: REFRIGERATION RACK  
Quantity: One (1)  
Manufacturer: RDT  
Model No.: IRW1-03Z-CT3-AEC  
Pertinent Data: Indoor, Water-Cooled, On Emergency Power, See Plans Drawing #FS11.2  
Utilities Req’d: 120V/1PH; 15.0A; 208V/3PH,33.7A; 3/4” Chilled Water Supply @ No More Than 150 PSI, 3/4” 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 93-1/4" long x 43-1/4" wide x 35" high, and weighs 1,000 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 sil-fos. 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 pre-wired 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 shut-off 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. KEC shall contract with certified, licensed Refrigeration Mechanic possessing a certification 40 CFR Part 82 sub-part F, as mandated by the E.P.A.  
18. The following compressors G-H, and all refrigeration box components for the following compressors must be connected to the building emergency power supply by the electrical contractor:  
 System "G1"- Item #111, Beverage Cooler  
 System "G2"- Item #134, Bulk Cooler  
 System "G3"- Item #162, Pastry Cooler  
 System "G4"- Item #327, Cold Finish Cooler  
 System "H"- Item #141, Bulk Freezer  
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 cross-over 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.  
ITEM #: REMOTE CONDENSER  
Quantity: One (1)  
Manufacturer: Hoshizaki  
Model No.: URC-5FZ  
Pertinent Data: For Item #\_\_\_, Air Cooled  
Utilities Req’d: 120V/1PH, 15.2A(Connection to Ice Flaker)  
  
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. Size and configuration as shown on drawings.  
3. Unit shall be 21-13/16” wide x 17-1/4” deep x 32-13/16” high on stand and weigh 90 pounds.  
4. Provide quiet operation.  
5. Equip with weather resistant cabinet for longer life.  
6. Unit must be installed within 35’ of Item #\_\_\_\_\_\_\_, Flaked Ice Machine.  
7. Provide a 35’ pre-charged tubing kit.  
8. Must meet all applicable federal, state, and local laws, rules, regulations, and codes.