TEM #86: REFRIGERATION RACK  
Quantity: One (1)  
Manufacturer: RDT  
Model No.: ZS1-02Z-CT3-AST  
Pertinent Data: Air Cooled, Outdoor, On Emergency Power, See Drawing #FS11.1  
Utilities Req'd: 208V/3PH, 14.4A  
  
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. Coordinate with the Architect and Engineer as to the location of the Refrigeration Rack.  
2. Rack dimensions are 60" long x 40" wide x 35" high, and weighs 500 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 A-B, and all refrigeration box components for the following compressors must be connected to the building emergency power supply by the electrical contractor:  
· System “A” Item #14, Preparation Cooler  
· System ”B” Item #102, Chef's Cooler   
19. KEC shall be fully responsible for providing and coordinating installation of freon leak detection system for Item #86, 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. Provide shop drawings for approval prior to fabrication.  
22. Must meet all applicable federal, state, and local laws, rules, regulations, and codes.