Refrigeration Requirements

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Refrigeration Inspector

OVERVIEW

• Permit Application
• Plan Detail
• Common Corrections
• Questions & Answers
Refrigeration Requirements

- Contractor’s letter
- Variance letter if using alternate refrigerant
- Variance for city water usage (see 13-192-690)
- Copy of CFC Certification/EPA Certification

Refrigeration Requirements

- Layout of all equipment
- Refrigerant piping
- Condenser water piping (if used)
Refrigeration Requirements

Refrigeration

These Refrigeration Notes must appear on Mechanical Page:

- Install pressure relief valve on high pressure side of system, upstream of any intervening valves
- Remove expansion valves, devices, and connections from air stream
- Refrigeration piping to type "K" copper or Type "ACR" copper
- All connection and devices to be brazed

Sample Schedule

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<th>Refrigeration Schedule</th>
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Refrigerant Piping Diagram

- 7/8" TYPE 'K'
- 3/4" TYPE 'K'
- Condenser Coil
- Compression within condensing unit
- Sight glass
- Filter drier
- Refrigerant metering device and liquid distributor
- Direct expansion
- 5/8" Condensate drain with trap
- 3" Air OA Y

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Refrigeration Requirements

- Install pressure relief valve on high pressure side of system, upstream of any intervening valves
- Remove expansion valves, devices and connections from air stream
- Refrigeration piping top be type "K" copper or type ACR
- All connections and devices to be brazed

SUMMARY

- Refer to the mechanical refrigeration section of the municipal code 18-28 Article 11.
- Add notes.
- Complete the refrigeration schedule and submit a refrigerant piping diagram.
- Feel free to call with questions 312-744-7694.
Refrigeration Requirements

HEAT RECOVERY

Heat Recovery (R2-_/WR2-Series)
Simultaneous cooling and heating

BC CONTROLLER

BC Controller
• Gas Distribution Piping Inside of Buildings