DIVISION 15 - MECHANICAL

Section 15530 - Refrigerant Piping and Specialties

Introduction

Piping and specialties associated with:

REFRIGERANT SYSTEMS

Part 1 - General

- Do not use pre-charged line sets (e.g. Aero Equip.)

Part 2 - Products

- Pipe Schedule - Above grade

Service	Size	Pipe	Fittings	Joints
Refrigerant Piping	All	Type 'L' ACR Or Cast Brass	Wrought Copper Brazed	15% Silver *Solder*

- Pipe Schedule - below grade

Service	Size	Pipe	Fittings	Joints
Refrigerant Piping	All	Type "K" ACR or Cast Brass	Wrought Copper Brazed	15% Silver *Solder*

- Use long radius fittings only

Part 3 - Execution

- Workmanship
  - Install per ASHRAE standards
- Installation
  - Provide isolation valves between split system components
  - Provide nitrogen purge during soldering
  - The U of A reserves the right to cut into any two fittings to confirm the use of nitrogen purge
  - Support piping every 6 feet
  - Provide line size trap every 25 feet of vertical lift.
  - Provide a liquid line filter drier before any expansion valve
  - Provide suction line filter drier before compressor
  - Provide Shraeder valves on suction and liquid line and across filter driers

End of Section 15530