

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

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

- Pipe Schedule - below grade

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

- 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