# Helium Liquefier - Recovery System

Helium Gas from
the Basement Labs
Enters the
Recovery System

Single Lines Typically
Indicate an Armored Bellows
Hose with Aeroquip Connectors

Helium Recovery Bag
Atmospheric Pressure
300 Cubic Feet when Full

4 Helium Recovery Tanks
65 Cubic Feet Total Volume
1750 Cubic Feet of Helium
Gas at 400 psi

Recovery Tank
Pressure Sensor
Its Signal Goes
to the Purifier

Long
Copper
Pipes

Pressure
Relief Valve
Opens at
0.15 psi

Pressure Regulator
400 psi Max Input
15 psi Output

Pure Helium Gas
to the Liquifier
in Room B111

Input

Output

Dirty Gas
Input

Clean Gas
Output

Recovery Tank
Compressor
400 psi max

Purifier

Recovery
Manifold

Vent

Dewar Vent Gas
from the Liquifier
in Room B111

Vent Gas from the Purifier

Vent Gas from the Rm B111 Dewar

Drw: 2

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