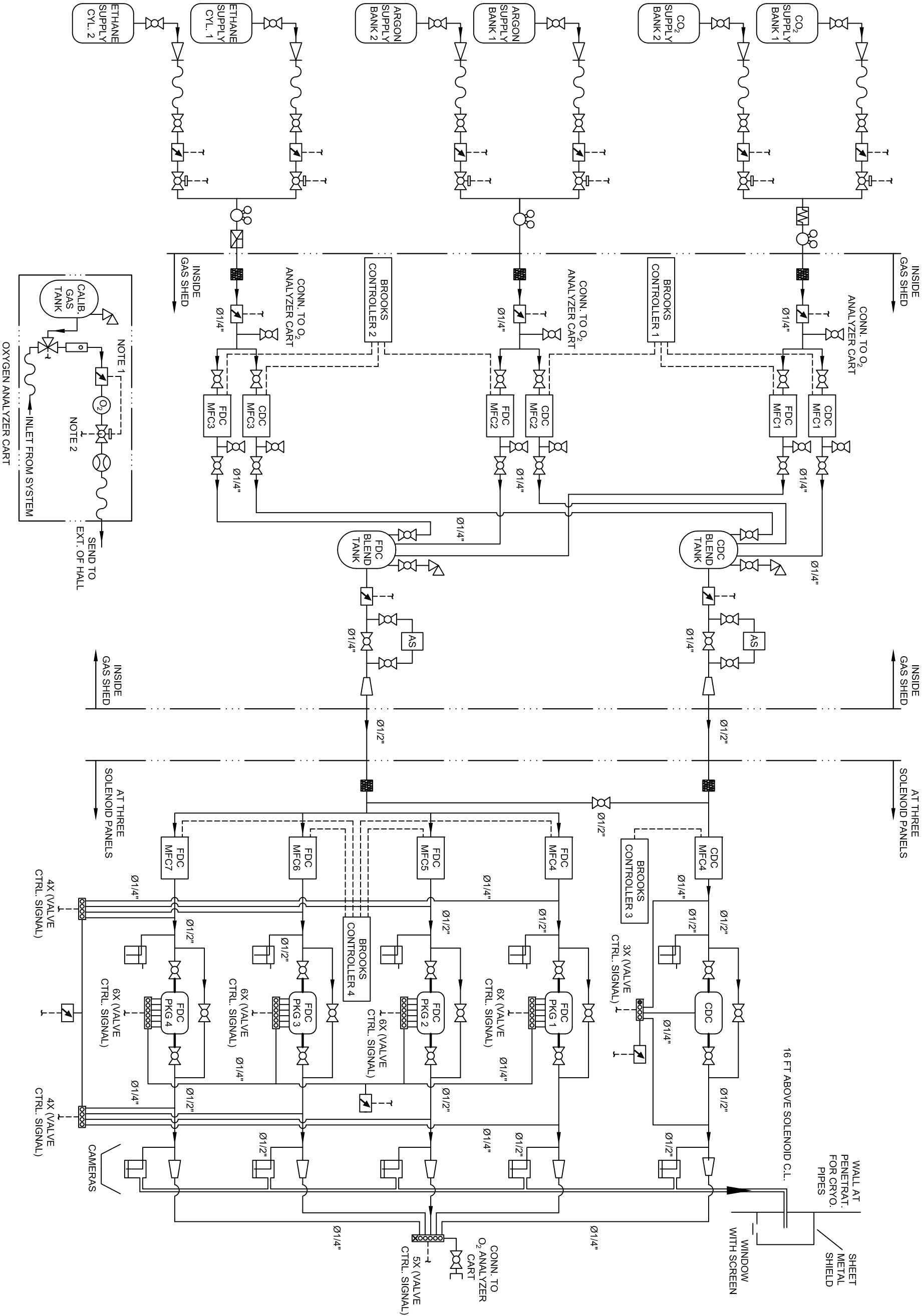


GAS SYSTEM (COMPLETE) FOR FDC AND CDC



LEGEND	
[Symbol]	MANUAL VALVE
[Symbol]	SOLENOID VALVE
[Symbol]	CHECK VALVE
[Symbol]	SINTERED METAL FILTER, 0.5 µ
[Symbol]	GAS HEATER WITH THERMOSTAT
[Symbol]	AUTOM. SHUTDOWN EXCESS VALVE
[Symbol]	RELIEF VALVE
[Symbol]	3-WAY VALVE (SOLENOID OR MANUAL)
[Symbol]	HOSE
[Symbol]	TWO-STAGE PRESSURE REGULATOR
[Symbol]	PRESSURE TRANSMITTER
[Symbol]	ALCOHOL SUPPLY SYSTEM
[Symbol]	BUBBLER (NEVER)
[Symbol]	BUBBLER (ALWAYS)
[Symbol]	ROTAMETER
[Symbol]	LINK TO/FROM COUNTING HOUSE
[Symbol]	VACUUM PUMP
[Symbol]	OXYGEN ANALYZER
[Symbol]	0.5 in. TO 0.25 in. REDUCER
[Symbol]	SS TUBING
[Symbol]	1 in. COPPER TUBING
[Symbol]	0.5 in. PLASTIC TUBING
[Symbol]	MANIFOLD WITH SOLENOID VALVES

Notes:

1. The purpose of this link is to assure that the pressure at the oxygen analyzer does not fall below 20 Pa less than the pressure at the FDC and CDC. Redundancy for this assurance, by two different methods, will be implemented.
2. If the one valve cannot handle two commands (one from transmitter, one from Counting House), two valves in series will be used.