



- NOTES:
- 1) UNIT 1200 MFC's used for N2 and O2  
UNIT 1260 MFC's used for HCl, H2, & Silane
  - 2) Filtr172 GT1 will be Millipore Wafergaurd II  
Filtr171, GT2, GC1 will be Millipore Wafergaurd II  
FiltrGC2, GC3 will be Millipore Wafergaurd II
  - 3) NV170,171,173, & 174 will be Nupro BMRG valves
  - 4) NV172 will be a Nupro BMR needle valve.
  - 5) Manual valves will be Nupro series DA.
  - 6) Gas valves will be Nupro series BN.
  - 7) Input regulators will be Tescom.
  - 8) Filtr170 and 173 will be Millipore Wafergaurd II
  - 9) Check valves will be Nupro CW series.
  - 10) Pressure gauge/switches will be Span IP-122.
  - 11) Manufacture using orbital butt-weld connections except for MFC's and filters. MFC's and filter will use standard VCR connections.
  - 12) Input gas connections will be VCRF
  - 13) Gas connections will be top/bottom/left/right
  - 14) Use Millipore metal PDU filters
  - 15) NC Nupro controlled by a NO pilot valve Functions as a normally open valve
  - 16) Capability of additional gases at injector
  - 17) Bulkhead VCR connections at bottom of gas panel for future DCE bubbler.
  - 18) RegC1 and RegC3 will be IFS preset regulators

<b>SEMITOOL</b> Thermal Products Division		
TITLE: GAS SCHEMATIC, HARRIS		
DRAWN M JONES	5/15/95	DWG. NO. 03GSAG
APPROV. R.J.H. mjc		
STATUS		ASSY.
S.O. NO: harris.gp		REV. - DATE: -
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SEMITOOL  
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CUSTOMER APPROVAL  
*Mark Cumming*  
6/21/95

PROCESS ENG. APPROVAL

SYSTEMS ENG. APPROVAL