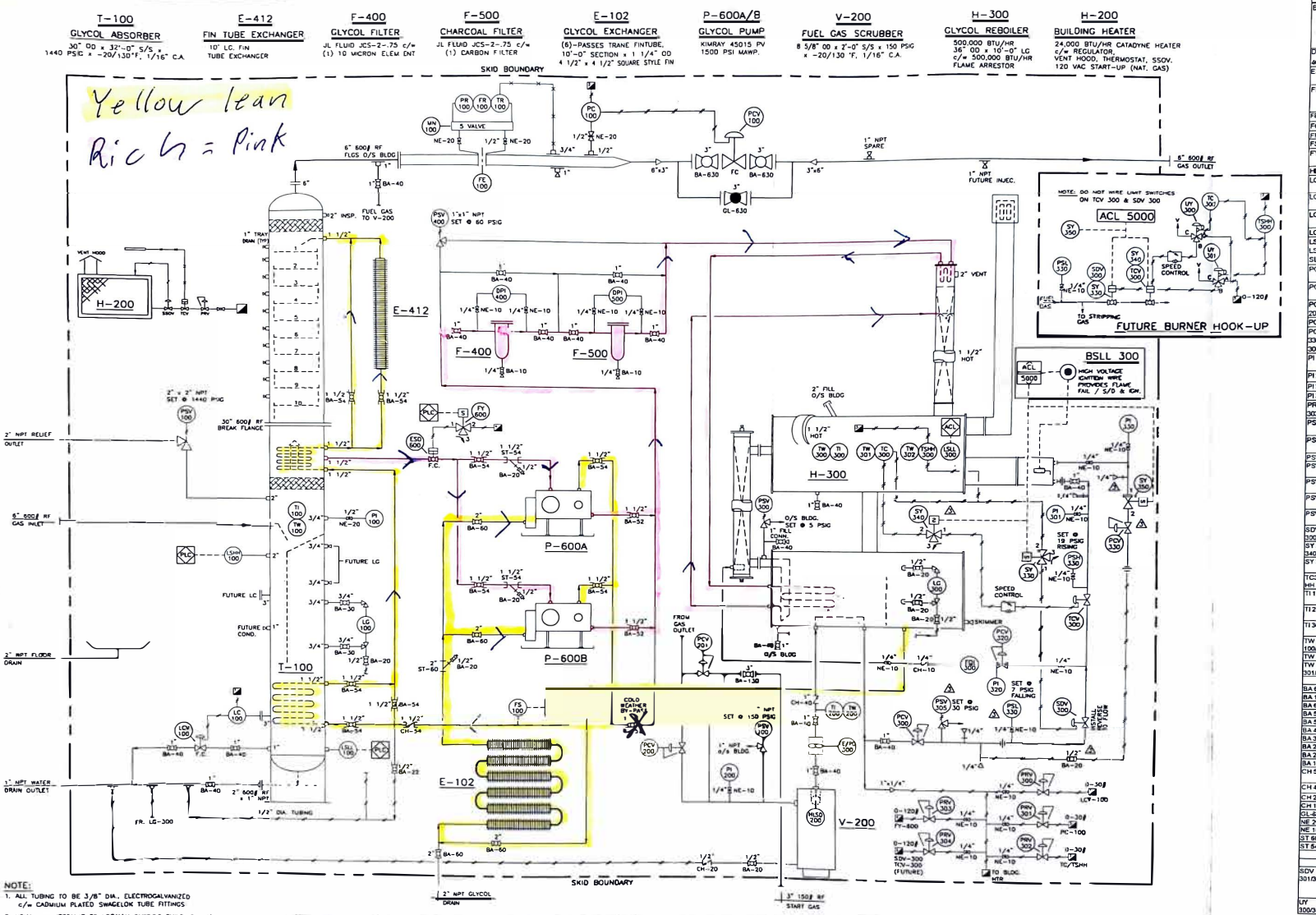

TAG #'s	QTY	DESCRIPTION
BSLL 300	1	Spirit ACL-5800 electronic flame ball ignitor system, 120 VAC c/w flame rod and sensor, 10' of high temperature ignition cable, 10' of ground wire, (1) alarm output, (1) shut down output, (2) valve outputs c/w installation kit. (Pilot Ventures, Flamco Pilot, flexible conduit, connectors, spare coaxial cable, check valve)
DPI 400/500	2	0-60 psi, 3" face, dual scale, D.F., 1/4" FNPT S.M., Wika 732.01
ESD 600	1	1" NPT reg. port ball valve, 2000#, std. Nutron 73-R300SS c/w Metro ES-A 40-5-80 pneumatic spring return actuator, bal cleared, SS, c/w SV350N
FE 100	1	6" 600# RF North Star Senior orifice fitting, c/w 6" Sch 80 ACP 3/4" meter run, beveled outer ends, (1) 1/2", (1) 3/4", and (1) 1" 3000# TOL downstream connections
FE/ PD 400	1	Romet RM-30 1 1/2" NPT rotary meter, c/w totalizer
FQI 300	1	Key Instruments Model FRA65-S1VT meter, 5-40 SCFM
FR/PR/TR	1	Barton 202-E 3-pen dry flow recorder, 0-75" W.C., 0-1500 psi static
FS 100	1	Kayden Classic CLC2-100DANRARE flow switch
FY 600	1	ASCO EF8320G202 3-way solenoid valve, 1/4" NPT, normally closed operation, 24 VDC, 115 psi max
HLSD 200	1	Louwres and Gauges LG12 2" NPT internal high level shutdown valve
LC 100	1	Fisher L2 snap acting liquid level controller, 2" NPT connection, vertical PVC displacer, sweet instrument gas
LCV 100	1	1" NPT Fisher D2 Flopro control valve, 316 adjustable trim, F.C., 0-35 psi signal, Nace
LG 100	1	Penberthy 1RL4 reflex level gauge, 6 3/4" visible length c/w 3/4" NPT 3300 gauge valves
LG 300	1	Redline tubular gauge glass c/w Penberthy N7AM-L gauge valves and guard
LSHH/ LSLL100/L SLL 300	3	SOR 1510B-G5A-C-W9-ES-CS electric level switch, 1 1/2" NPT process connection
PC 100	1	Fisher 4150 K pressure controller, direct acting, 0-1500 psi range, 316 SS bourdon tube, 6-30 psi output
PCV 100	1	3" 600# RF Fisher 667-ET body control valve, ey% trim, size 45 actuator, 5-30 psi bench set (Reconditioned)
PCV 200/201	2	1" NPT Fisher 627 regulator, steel body, 70-150 psi range, 1/8" S.S. trim, nylon disk
PCV 300	1	1" NPT Fisher 627 regulator, D.I. body, 5-20 psi range, 1/4" Aluminum trim
PCV/320/ 330/ PRV 300-302	5	1/4" NPT Bellofram T-50 regulator, 0-30 psi range, PN 962-275-000
PI 100	1	0-1500 psi, 4" face, dual scale, S.S., L.F., 1/2" LM, Nuova Fima 1803A-421, Nace
PI 200	1	0-200 psi, 2 1/2" face, dual scale, L.F., 1/4" LM, Nuova Fima
PI 301/320	2	0-30 psi, 2 1/2" face, d. scale, L.F., 1/4" LM, Nuova Fima
PI 330	1	0-15 psi, 2 1/2" face, dual scale, L.F., 1/4" LM, Wika 232.53
PRV 303/304	2	1/4" NPT Bellofram T-50 regulator, 0-120 psi range, PN 962-275-000
PSH 330	1	CCS Dual Snap 6800GE12 electric pressure switch, 9-75 psi rising set point range, set @ 19 psig rising
PSL 330	1	CCS Dual Snap 6800GE12 electric pressure switch, 1-15 psi falling, set @ 7 psig falling
PSV 100	1	2" x 2" NPT Taylor T8200-2-H relief valve set @ 1440 psig
PSV 200	1	1" x 1" NPT Wellmark W9501 RS relief valve set @ 150 psig, Nace primary zone
PSV 300	1	1" x 1" NPT Wellmark W9501 RS relief valve set @ 5 psig, Nace primary zone
PSV 305	1	1" x 1" NPT Wellmark W9501 RS relief valve set @ 30 psig, Nace primary zone
PSV 400	1	1" x 1" NPT Wellmark W9501 RS relief valve set @ 60 psig, Nace primary zone
SDV/TCV 300	2	1" NPT Kimray 112-SMT-DAB motor valve, P.O., cast iron body, 125 psi MAWP
SY 330/ SY 340	2	ASCO EF8320G202 3-way solenoid valve, 1/4" NPT, normally closed operation, 120 VAC, 115 psi max
SY 350	1	ASCO EF8215G20 2-way solenoid valve, 1/2" NPT, F.C. 120 VAC, ANSI/ CZ1 21/CSA 6.5/CA and CSA 3.9 approved
TC300/TS HH 300	2	Kimray T-12 DA pneumatic pressure controller, 5-30 psi range, direct acting, cast iron body, tapped vent
TI 100	1	0 to 250° F, dual scale, 1/2" NPT C.B.M., bimetallic, 3" dia., 6" stem, Gaugetech GT3
TI 200	1	0 to 250° F, dual scale, 1/2" NPT C.B.M., bimetallic, 3" dia., 2 1/2" stem, Gaugetech GT3
TI 300	1	50 to 500° F, dual scale, 1/2" NPT C.S.M., bimetallic, 3" dia., 6" stem, Gaugetech GT3
TW 100/300	2	1/2" x 3/4" x 6" lg. 304 SS thermowell
TW 200	1	1/2" x 3/4" x 2 1/2" lg 304 SS thermowell
TW 301/302	2	Kimray SS12 steel separable socket, 1" MNPT x 1/2" FNPT x 12" lg
BA 830	2	3" 600# RF reg. port ball valve, Nutron 73-R30R06-S
BA 130	1	3" 1500# RF reg. port ball valve, Nutron 73-R30R01-S
BA 60	4	2" NPT ball valve, Dynacquip DY-VME3-A9 SS, 2000# W/OG
BA 54	9	1 1/2" SW ball valve, Worcester 4446RG-SW, 1500#
BA 52	3	1 1/2" SW x NPT ball valve, Worcester 4446RG-SW, 1500#
BA 40	17	1" NPT ball valve, Dynacquip DY-VME3-A9 CB, 2000#
BA 30	2	3/4" NPT ball valve, Dynacquip DY-VME3-A9 CB, 2000#
BA 22	1	1/2" SW x NPT ball valve, Worcester 446RV-SW, 1500#
BA 20	9	1/2" NPT ball valve, Dynacquip DY-VME3-A9 24, 2000#
BA 10	2	1/4" NPT ball valve, Fortune
CH 54	1	1 1/2" SW piston check valve, OMB 847, Class 800#, A 105 body, 13% Cr trim
CH 40	1	1" NPT piston check valve, Nanco CP-R12000AA, 800# W/OG
CH 20	1	1/2" SW piston check valve, Crane, Class 800#, A 105 body, 13% Cr trim
CH 10	1	1/4" NPT piston check valve, Nanco S-ACP2-1, 3000 psi, W/OG
GL-630	1	3" 600# RF globe valve
NE 20	4	1/2" NPT needle valve, Century CMD-3-FMT-3-V
NE 10	17	1/4" NPT needle valve, Century CMD-3-FF2-3-V
ST 60	1	2" NPT Y-strainer Alberta Strainer, YS-800
ST 54	2	1 1/2" SW Y-strainer Alberta Strainer, YS-800
		FUTURE INSTRUMENT HOOK-UP
SDV 301/302	2	1" NPT full port ball valve, Worcester, 150 psi max operating pressure, one bettis, 80 psi pneumatic actuator, F.C. 120 VDC, 2a rear limit switches and 2 SPDT hermetically sealed "clamp-on" limit switches, CSA 6.5-2000/ANSI/ Z21.21-2000/CGA 3.9 LS4 certified
UY 300/301	2	1/4" NPT Fisher 167A switching valve c/w 15-30 psi spring range

NOTE:
1. ALL TUBING TO BE 3/8" DIA., ELECTROGALVANIZED c/w CADMIUM PLATED SWAGELOK TUBE FITTINGS
2. VENT ALL INSTRUMENTS LOCALLY OUTSIDE BUILDING WALL

(1) REQ'D
TIME CARD
C-1873-PP

DWG. NO.	REFERENCE DRAWINGS	REV	DESCRIPTION	DATE	BY
		1	REV'D GAS OUTLET BY-PASS TO 3" GLOBE; REVISED AS NOTED.	01/15/03	J.J.
		2	REVISED AS PER BUILT	02/25/03	Y.P.
		3	REVISED BURNER HOOK-UP	03/20/03	Y.P.

RUSHTON
GAS & OIL EQUIPMENT LTD

CUSTOMER:
c/o O'ROURKE ENGINEERING LTD.

MECHANICAL FLOW DIAGRAM
30" OD DEHYDRATION SKID PACKAGE (SWEET)

DATE:	DRN BY:	SCALE:	CHKD BY:	APPD BY:	DWG NO.	REV
01/06/03	Y.P.	NTS			C-1873-B	3