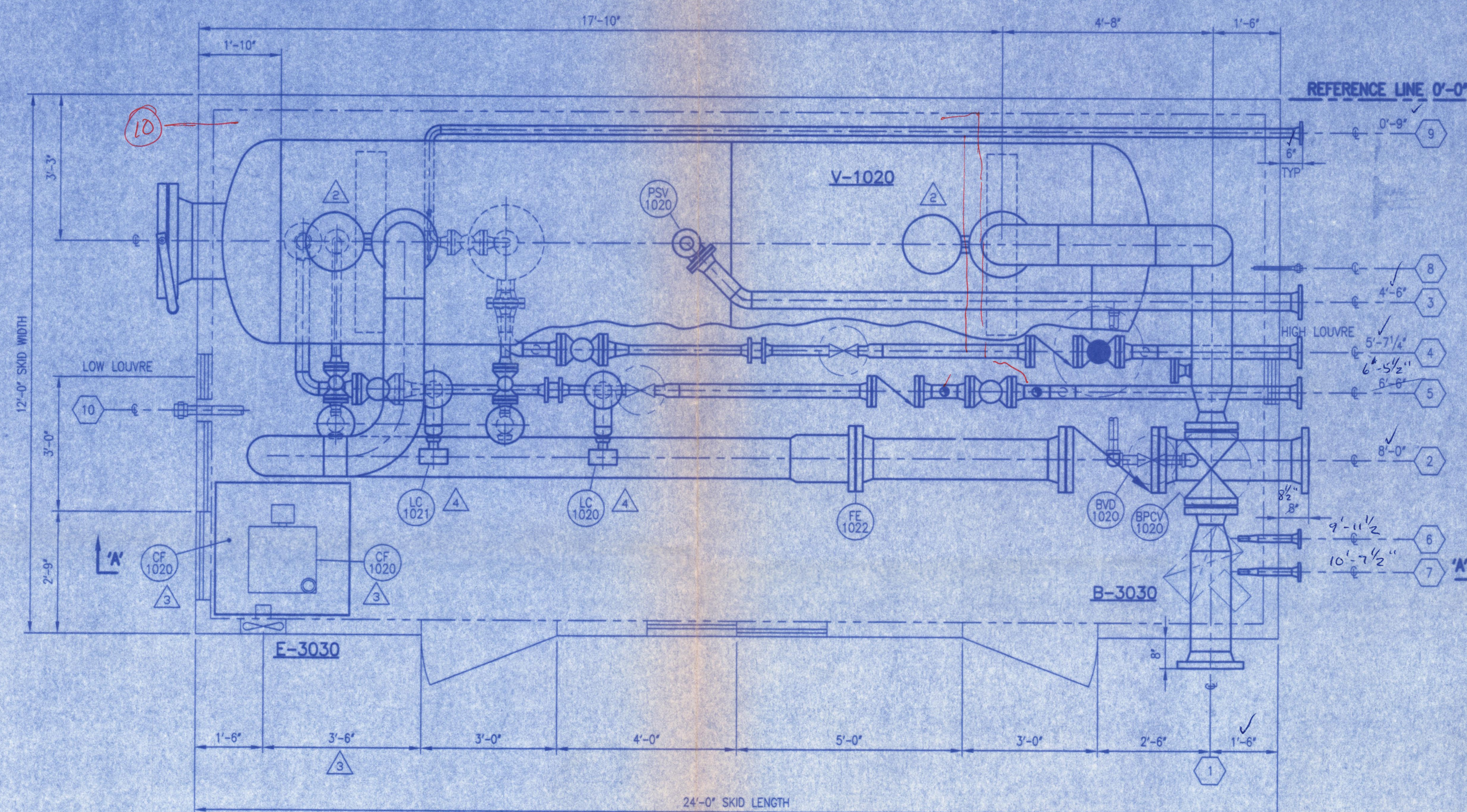
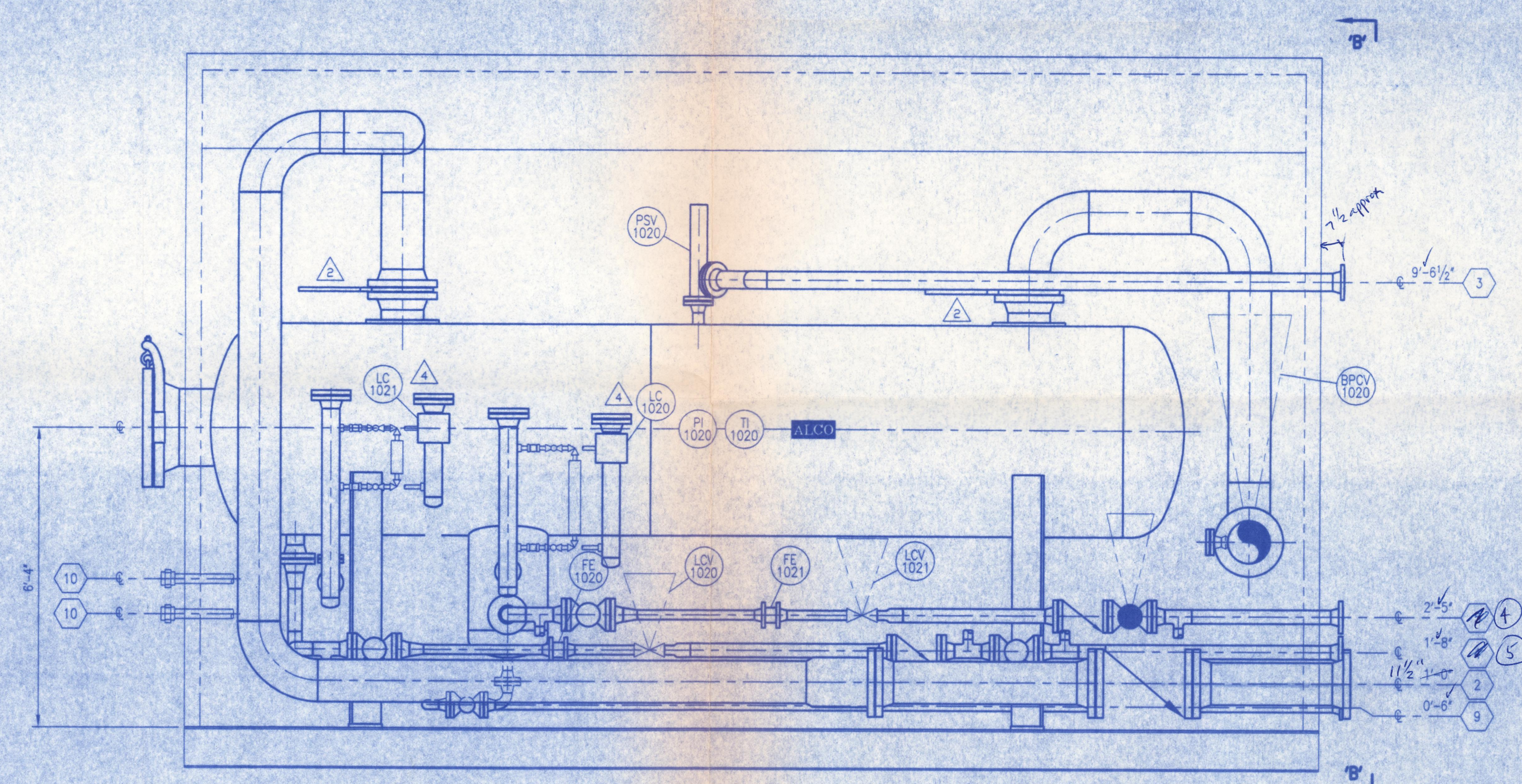


6105-51



PLAN VIEW



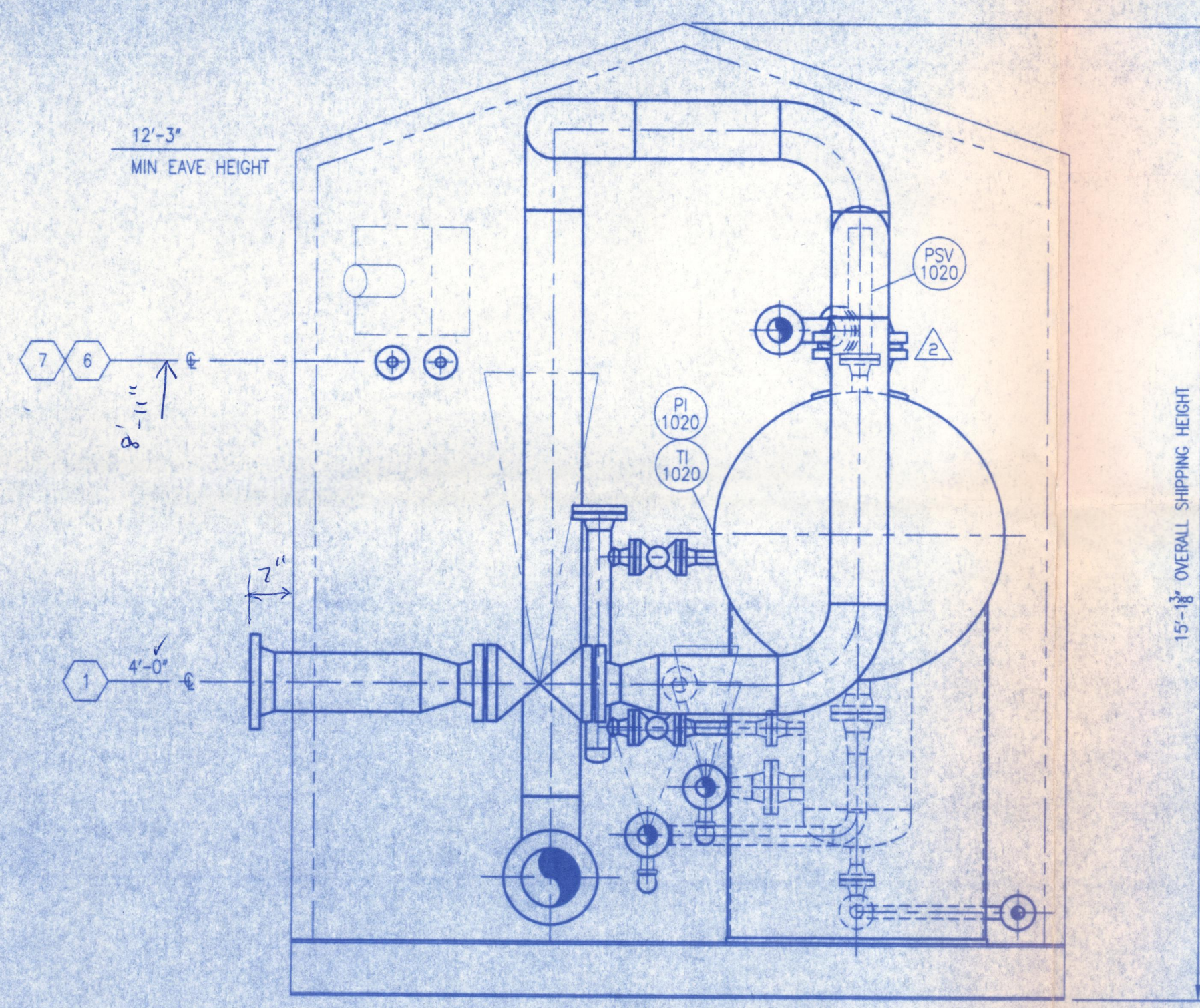
SECTION 'A-A'

TIE-IN SCHEDULE

- 1 10"-600# ANSI RF GAS INLET
- 2 10"-300# ANSI RF GAS OUTLET
- 3 4"-150# ANSI RF PSV OUTLET
- 4 3"-300# ANSI RF WATER OUTLET
- 5 3"-300# ANSI RF CONDENSATE OUTLET
- 6 2"-150# ANSI RF GLYCOL SUPPLY AS (SHOP LOCATE)
- 7 2"-150# ANSI RF GLYCOL RETURN (SHOP LOCATE)
- 8 1/2"-300# NPT INSTRUMENT AIR INLET (SHOP LOCATE)
- 9 2"-150# ANSI RF DRAIN OUTLET
- 10 2"-300# NPT PROVER CONNECTIONS (SHOP LOCATE)

GENERAL NOTES:

1. ALL ELEVATIONS SHOWN ARE FROM TOP OF MAIN SKID MEMBERS. DEPTH OF SKID IS 10 3/16"
2. PROCESS PIPING DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF ASME B31.3.
3. (600#) 6" & 10" TO BE SCH.80 (SA-333-Gr.6 PIPE & SA-420-WPL6 BUTTWELD FITTINGS)
3. (300#) 2" TO BE SCH.80, 3"-6" TO BE SCH.40
3. (150#) 2" TO BE SCH.80, 4" TO BE SCH.40
4. BW PIPING TO BE SA-106-B PIPE W/ SA-105N FLG'S AND SA-234-WPB BUTTWELD FITTINGS.
4. PIPE WITH 3000# NPT SA-105 FITTINGS
4. THREADED PIPING 2" AND SMALLER TO BE SCH. 80 SA-106-B
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE MECHANICAL FLOWSHEET.
6. ALL PIPING @ SKID EDGE TO BE HELD @ DIMENSIONS AND ELEVATIONS SHOWN FOR CUSTOMER TIE-INS.
7. 1/2" INSTRUMENT AIR HEADER TO BE TAKEN OFF AS SHOWN; SHOP TO RUN AS REQUIRED WITH 1/4" TAKE-OFFS TO INSTRUMENTS c/w ISOLATION NEEDLE VALVE, 67AFR REGULATOR, AND TUBING TO COMPLETE.
8. ALL PROCESS B.W. PIPING TO BE RADIOGRAPHED 10% PER ASME B31.3.
9. DESIGN PRESSURE: 600# BUTTWELD PIPING = 1440 PSIG. @ -20/100°F + 1/16" C.A.
9. 300# BUTTWELD PIPING = 720 PSIG. @ -20/100°F + 1/16" C.A.
9. 150# BUTTWELD PIPING = 150 PSIG. @ -20/150°F + 1/16" C.A.
10. HYDROTEST PRESSURE: 600# BUTTWELD PIPING = 2160 PSIG.
10. 300# BUTTWELD PIPING = 1080 PSIG.
10. 150# BUTTWELD PIPING = 225 PSIG.
11. REMAINDER OF PIPING TO BE AIR TESTED @ 100 PSIG WITH SEAMS/JOINTS SOAPED TO DETECT LEAKS.
12. BLEED TYPE INSTRUMENTS CONTROL VALVE ACTUATORS, REGULATOR BONNETS, INSTRUMENT CASES ARE NOT VENTED.
13. ALL THERMOWELLS TO BE TAGGED WITH "TI" TAG NUMBERS.
14. SURFACE PREP.: SSPC-SP6
14. PRIMER: 1 s/c CLOVERDALE #71024 RUST INHIBITIVE GREY OVERALL
14. FINISH: 2 s/c CLOVERDALE #20-F-34 WARM GREY ENAMEL ON UNINSULATED AREAS
15. VESSELS & PIPING TO BE INSULATED AS PER FLOWSHEET AND/OR SHOP ORDERS.
16. REMOVE ALL FLOATS/DISPLACERS FROM ALL LEVEL CONTROLLERS/SWITCHES TAG AND CRATE FOR SHIPPING.
17. PROTECT ALL OPENINGS FOR SHIPPING.
18. ALL PROCESS BOLTING TO BE SA-193-B7 STUDS WITH SA-194-2H NUTS AND 304SS FLEXITALLIC GASKETS.
19. TUBING TO BE 1/4" & 3/8" 316SS w/ 316SS SWAGelok FITTINGS.
20. ESTIMATED SHIPPING WEIGHT: 42,050 lbs.
21. TUBING FOR TRANSMITTER SENSING LINES NOT TO EXCEED 3'-0" LG
21. TUBING SHALL BE SLOPED AT 1" PER FOOT INTO THE ORIFICE CARRIER.



SECTION 'B-B'

QUALITY CONTROL COPY

MAR 26 1999

REVISED DRAWING
DESTROY PREVIOUS ISSUE

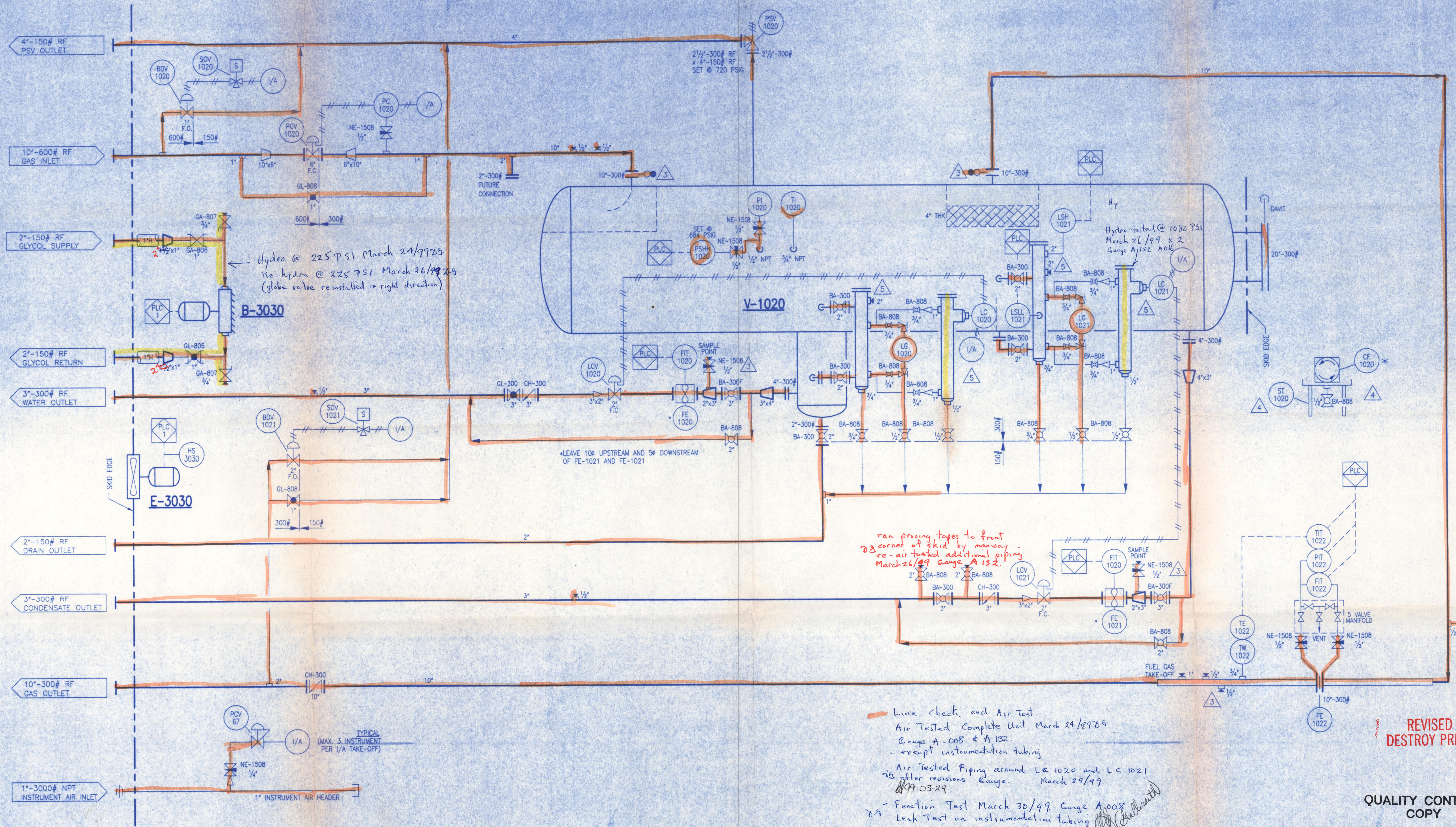
				DRAWN	KMY	OIL GROUP SEPARATOR PACKAGE	
				DATE	MAR. 5/99	LAYOUT & ASSEMBLY	
				SCALE	1/2"=1'-0"	LOCATION: HAMBURG	LSD: 15-21-96-10 W6M
				CHK'D	KCW	CUSTOMER: CRESTAR ENERGY % RAPID RESPONSE PROJECTS	
				APP'D	TBS	SHOP ORDER: 99c-6105-51	
				The information contained herein is the confidential property of Alco Gas and Oil Production Equipment Ltd., and is not for publication. The information is based on the understanding that no part thereof shall be copied or communicated to a third party without authorization. In writing from Alco Gas and Oil Production Equipment Ltd.			
A-23223		MECHANICAL FLOWSHEET		DWG.		DWG: A-23361	
DESCRIPTION		REV. DATE		REV. APP'D		DESCRIPTION	
REFERENCE DRAWINGS		REV. DATE		REV. APP'D		REVISIONS	

6105-51

E-3030
EXHAUST FAN
6 AC/hr. 1/4" H.P.
120V/1/60Hz X.P. MOTOR

B-3030
GLYCOL BUILDING HEATER
RUFFNECK MODEL HP3-16
1/4" HP 120/1/60 X.P.
1/4" ELECTRIC FAN AND THERMOSTAT

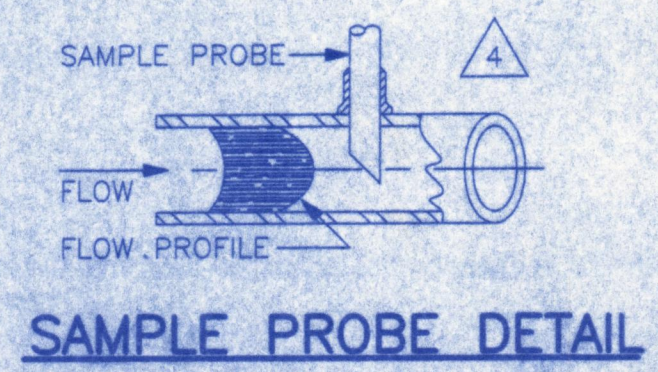
V-1020
HORIZONTAL SEPARATOR
SIZE: 54" O.D. x 18'-0" 5/8"
BOOT: 20" x 2'-0" LG.
D.P. 720 PSIG @ -20°/100°F
C.A. 1/16"



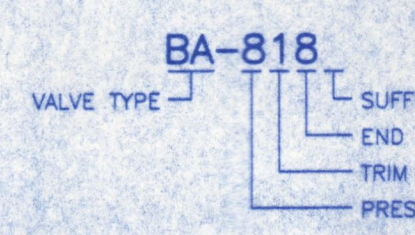
Line Check and Air Test
Air Tested Complete Unit March 24/99
Gauge A-008 & A-132.
- except instrumentation tubing
Air Tested Piping around LC 1020 and LC 1021
after revisions Gauge March 29/99
99-0329
- Function Test March 30/99 Gauge A-008
Leak Test on instrumentation tubing

MAR 26 1999
REVISED DRAWING
DESTROY PREVIOUS ISSUE

QUALITY CONTROL
COPY



VALVE TAGGING



VALVE TYPES: BA=BALL
GA=GATE
GL=GLOBE
CH=CHECK
NE=NEEDLE
BN=NEEDLE (BLOCK w/ BLEED)
END CONNECTIONS:
1 = 150# ANSI
3 = 300# ANSI
6 = 600# ANSI
8 = 800# API
9 = 900# ANSI
15 = 1500# ANSI/1500# API
TRIM: 0 = STANDARD
1 = SOUP
2 = SOUP LOW TEMPERATURE
3 = LOW TEMPERATURE
END CONNECTIONS:
0 = RTF
1 = RTJ
2 = SW
3 = NPT x SW
4 = NPT
5 = NPT
SUFFIX: F = FULL PORT
S = SWING CHECK
P = PISTON CHECK

NOTES:

1. DENOTES CANALTA ELECTRICAL TIE-IN.
2. DENOTES PANEL ELECTRICAL TIE-IN.
3. DENOTES PLC TIE-IN BY PANEL VENDOR.
4. DENOTES ELECTRICAL TIE-IN (BY OTHERS)
5. DENOTES COMPRESSOR PORT TIE-IN NO.
6. DENOTES ITEMS SUPPLIED BY EQUIPMENT VENDOR.
7. DENOTES SOFTWARE DATA LINK

REV	DATE	DESCRIPTION	BY	APP'D
5	MAR 24/99	REVISE LC-1020 & LC-1021	KTV	TBS
4	MAR 18/99	ADD SAMPLE POINT DETAIL & CF-1020	KTV	TBS
3	MAR 12/99	ADD SPEC BLIND TO INLET & OUTLET	KTV	TBS
2	MAR 5/99	MOVE SAMPLE POINTS UPSTREAM OF METER	KTV	TBS
1	FEB 24/99	ISSUED FOR APPROVAL	KTV	TBS
0	12/98	ISSUED FOR APPROVAL	KTV	TBS

DRAWN: KTV		DATE: MAR. 5/99	
SCALE: N.T.S.		LOCATION: HAMBURG	
CHK'D: KEW		LSD: 15-21-96-10-WEM	
APP'D: TBS		CUSTOMER: CRESTAR 5% RAPID RESPONSE PROJECTS	
A-23224 ASSEMBLY		SHOP ORDER: 99c-6105-51	
DWG. DESCRIPTION		REVISION: 5	
REFERENCE DRAWINGS		DWG: A-23360	
REVISIONS		ALCO GAS AND OIL PRODUCTION EQUIPMENT LTD	