

# ARGO

S A L E S L T D

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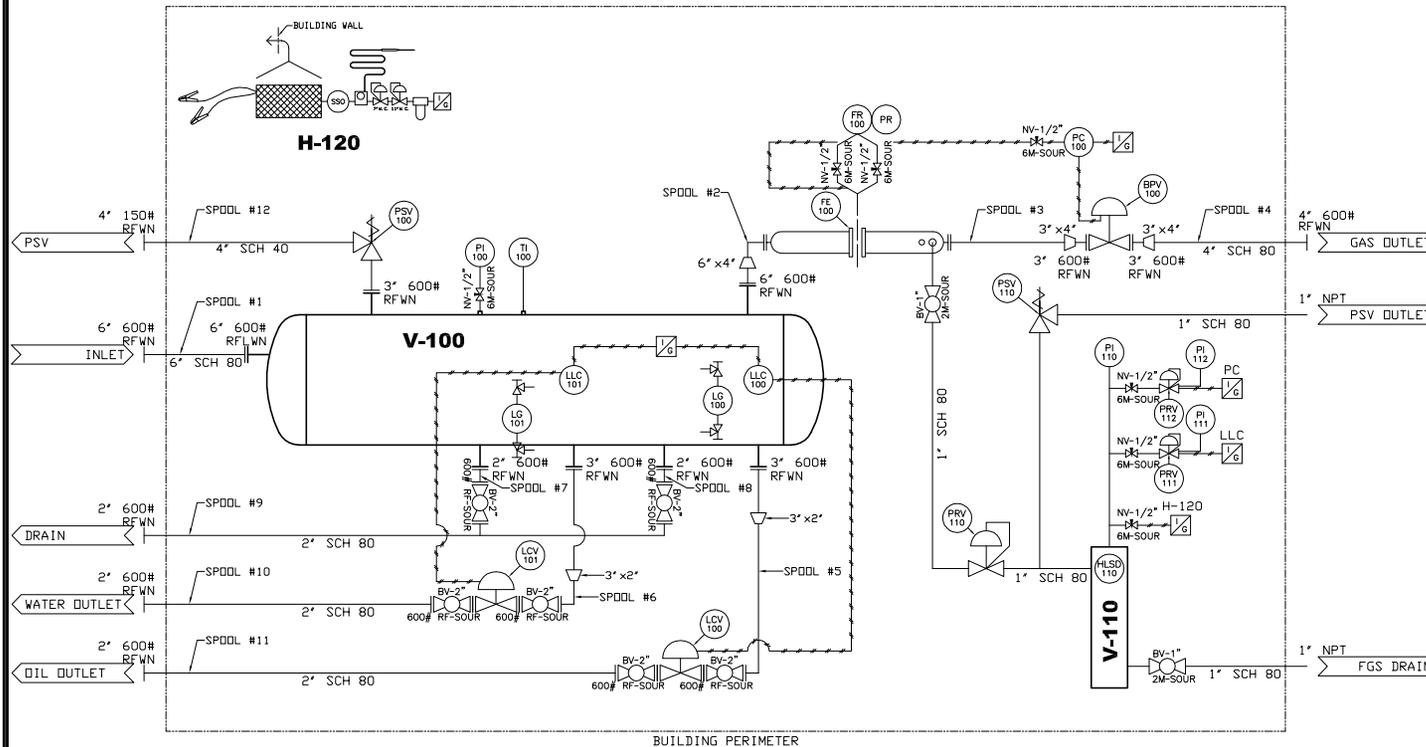


# DRAWINGS

**V-100**  
 42" I.D. x 12'0" S/S  
 1440 PSI M.A.W.P. @ 100°F  
 HORIZONTAL SEPARATOR  
 100% X-RAY, STRESS RELIEVED

**V-110**  
 8" O.D. x 36" S/S  
 150 PSI M.A.W.P. @ 100°F  
 FUEL GAS SCRUBBER  
 STRESS RELIEVED

**H-120**  
 C.C.I. WX 24 x 24 CATALYTIC  
 HEATER (16,000 BTU/HR  
 RATING), NATURAL GAS  
 REGULATORS, GRILL GUARD,  
 VENT HOOD, SAFETY SHUT-OFF,  
 SOUR GAS FILTER, 25' OF 12  
 VOLT START CABLES



**BILL OF MATERIALS:**

MARK	QTY	DESCRIPTION
LLC 100	1	2" NPT, NDRRISEAL 1001A LIQUID LEVEL CONTROLLER, MOUNTED ON A 4" 600# HUB BLIND TAPPED 2", NACE
LLC 101	1	2" NPT, NDRRISEAL 1001A LIQUID LEVEL CONTROLLER, MOUNTED ON A 4" 600# HUB BLIND TAPPED 2", NACE
PC 100	1	FISHER/FISHER CLONE 4150 PRESSURE CONTROLLER, 0 - 1500#, DIRECT ACTING, SDR
BPV 100	1	3" 600# RF, FISHER/FISHER CLONE 667 ET-BODY PRESSURE CONTROL VALVE, SDR
LCV 100	1	2" 600# RF, NDRRISEAL 2220 LEVEL CONTROL VALVE, 1" TRIM, NACE
LCV 101	1	2" 600# RF, NDRRISEAL 2220 LEVEL CONTROL VALVE, 1" TRIM, NACE
PRV 110	1	1" NPT, FISHER 627 REGULATOR, 1/8" DRIFICE, 70 - 150#, STEEL BODY, NYLON DISC, SDR
PRV 111	1	1/4" NPT, FISHER 67 CFR REGULATOR, 3 - 35#, VENTED BONNET, NACE
PRV 112	1	1/4" NPT, FISHER 67 CFR REGULATOR, 3 - 35#, VENTED BONNET, NACE
LG 100	1	3/4", PENBERTHY #330J GAUGE COCKS 1TMS TRANSPARENT GAUGE GLASS, SDR
LG 101	1	3/4", PENBERTHY #330J GAUGE COCKS, 1RM6 REFLEX GAUGE GLASS, SDR
PI 100	1	1/2" NPT x 4" FACE, PRESSURE GAUGE, 0 - 1500#, SDR
PI 110	1	1/4" NPT x 2-1/2" FACE, PRESSURE GAUGE, 0 - 200#, SDR
PI 111	1	1/4" NPT x 2-1/2" FACE, PRESSURE GAUGE, 0 - 60#, SDR
PI 112	1	1/4" NPT x 2-1/2" FACE, PRESSURE GAUGE, 0 - 60#, SDR
TI 100	1	1/2" NPT x 3" x 6" STEM, TEMPERATURE INDICATOR, -40" TO 160°F, c/w 316SS THERMOWELL & SWIVEL HEAD, SDR
FE 100	1	4" 600# RF, DANIEL SENIOR DRIFICE FITTING METER RUN AGA 3C (1991), <<RECONDITIONED>>, SDR
FR 100	1	BARTON 202E DRI-FLO RECORDER (2 PEN), 0 - 1500 PSI, 0 - 100" WC, c/w 3 VALVE MANIFOLD, <<RECONDITIONED>>, SDR
PSV 100	1	3" 600# x RF 4" 150#, FARRIS 26KA13-120/S7 PRESSURE SAFETY VALVE, SET @ 1440#, NACE
PSV 110	1	1" NPT, FARRIS 27DAS3M0/S7 PRESSURE SAFETY VALVE, SET @ 150#, NACE
HLS 110	1	2" NPT, LARSEN & D'AMICO HIGH LEVEL FUEL-GAS SHUTDOWN VALVE, SET @ 1440#, NACE
BV1T-6MS	2	1" NPT 2000#, STOCK BALL VALVE, SDR
BV2T-600S	6	2" 600# RF, NUTREN BALL VALVE, SDR
NV1/2-6MS	7	1/2" 6000#, ANDERSON GREENWOOD NEEDLE VALVE, SDR

CUSTOMER: **ARGO SALES STOCK**

TITLE: **42" I.D. x 12'0" S/S 1440# SOUR SEPARATOR**

CUSTOMER: **ARGO SALES STOCK**

TITLE: **42" I.D. x 12'0" S/S 1440 PSI M.A.W.P. @ 100°F SOUR HORIZONTAL SEPARATOR P & ID**

**SPOOL DATA:**

SPOOL #	WEL PROC	X-RAY	STRESS	DESIGN	TEST
1 thru 11	ASL-8	100 %	YES	1440#	2160#
12	ASL-8	100 %	YES	285#	428#

**NOTES:**

1) SEE DRAWING # DM1304L FOR DESIGN NOTES.

**REVISIONS:**

NO.	DESCRIPTION	DATE
0	APPROVAL	06.27.06

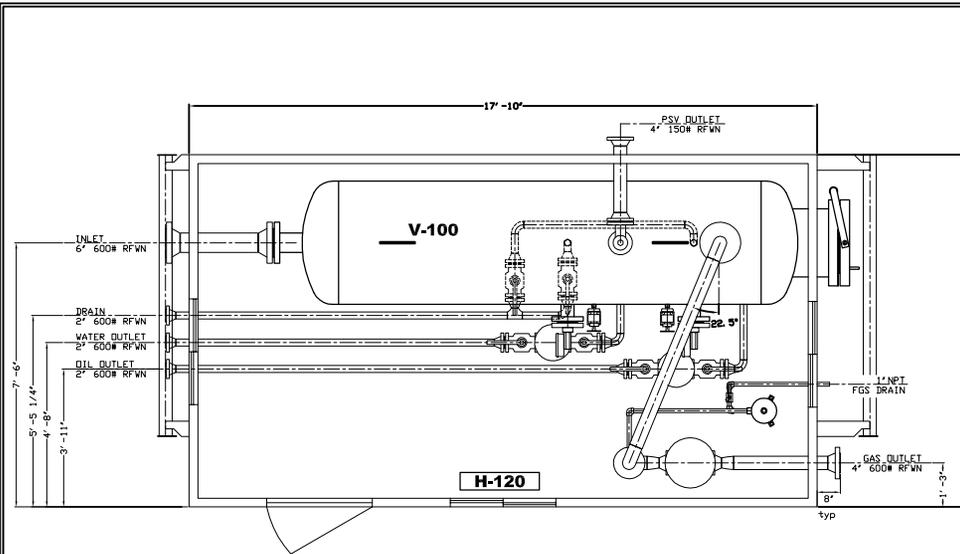
P.O. Box 1160  
 Nisku Industrial Park  
 Nisku, Alberta  
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DRAWN BY:	CY	SCALE:	N.T.S.
CHECKED BY:		DATE:	06/27/06
APPROVED BY:		QUOTE:	-
		DWG. #:	DM1304P
SHEET 1 OF 3		REV.:	Δ

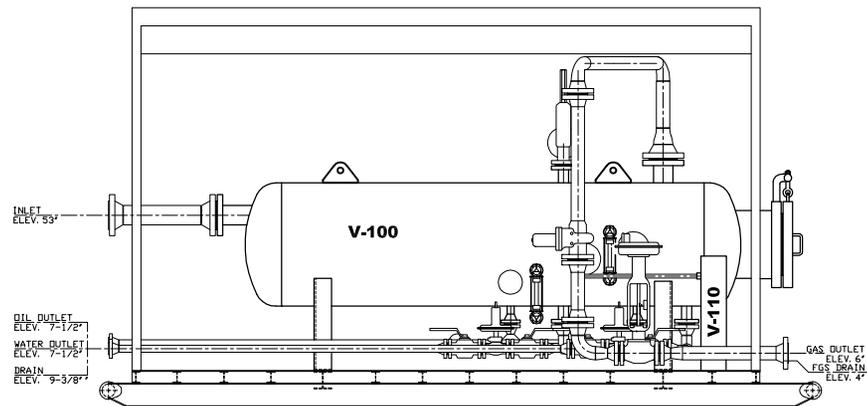
CUSTOMER: **ARGO SALES STOCK**

TITLE: **42" I.D. x 12'0" S/S 1440# SOUR SEPARATOR**

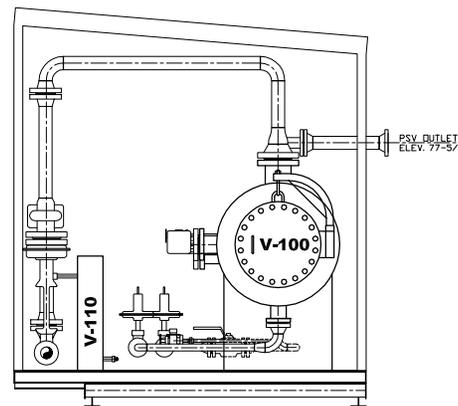
SERIAL #: **HS13256**



PLAN VIEW



FRONT VIEW



SIDE VIEW

**V-100**  
42" I.D. x 12'0" S/S  
1440 PSI M.A.W.P. @ 100°F  
HORIZONTAL SEPARATOR  
STRESS RELIEVED  
100% X-RAY

**V-110**  
8" O.D. x 36" S/S  
150 PSI M.A.W.P. @ 100°F  
FUEL GAS SCRUBBER  
STRESS RELIEVED

**H-120**  
C.C.I. WX 24 x 24  
CATALYTIC HEATER (16,000  
BTU/HR RATING), NATURAL  
GAS REGULATORS, GRILL  
GUARD, VENT HOOD,  
SAFETY SHUT-OFF, SOUR  
GAS FILTER, 25' OF 12  
VOLT START CABLES

**DESIGN NOTES:**

GENERAL NOTES

- 1) PIPING TO CONFORM TO ASME B31.3 LATEST EDITION
- 2) X-RAY ON BUTT WELDED JOINTS: SEE CHART
- 3) STRESS RELIEVING ON BUTT WELDED SPIDLS: SEE CHART  
WELDED PIPING STRESS RELIEVED FOR 1 HOUR @ 1150°F  
MAXIMUM HEATING: 400°F/HR FROM 600°F TO 1150°F  
MAXIMUM COOLING: 400°F/HR FROM 1150°F TO 600°F
- 4) HYDRO TEST ON BUTT WELDED SPIDLS: SEE CHART
- 5) VENTING INSTRUMENTS TIED TO COMMON HEADER
- 6) MEASUREMENTS ARE APPROXIMATE

FINISH NOTES

- 1) VESSEL, SKID & PIPING TO BE BLASTED TO SSPC-SP7 BRUSH BLAST
- 2) VESSEL, SKID & PIPING TO BE PRIMED WITH ONE COAT OF ARGO SHOP PRIMER
- 3) VESSEL, SKID & PIPING TO BE FINISHED WITH ONE COAT OF ARGO CLOVERDALE GRAY ENAMEL

PIPING DESIGN

- 1) THREADED H.P. LINES: SCH 160 WITH 3000# FITTINGS
- 2) THREADED L.P. LINES: SCH 80 WITH 3000# FITTINGS
- 3) WELDED PIPING: 600# - SCH 80  
150# - SCH 40
- 4) INSTRUMENT TUBING: 316SS
- 5) INSTRUMENT TUBE FITTINGS: 316SS SWAGELOK
- 6) PROCESS TUBING: 316SS
- 7) PROCESS TUBE FITTINGS: 316SS SWAGELOK

MATERIALS

- 1) PIPE: A106 GR. B
- 2) NPT FITTINGS: A105
- 3) FLANGES: A105
- 4) WELD FITTINGS: A234 WPB
- 5) PRESSURE GASKETS: 316SS FLEXATALLIC
- 6) PRESSURE BOLTING: 2HM NUTS/87M STUDS

BUILDING

- 1) 10' x 17'10" x 9' EAVE
- 2) ALUMINUM EXTERIOR
- 3) 24 GAUGE FLUTED ALUMINUM INTERIOR
- 4) 3' x 7' INSULATED STEEL MANDOR C/W IWG WINDOWS, PANIC HARDWARE, AND LOCKSET.
- 5) 36" x 36" DOUBLE GLAZED SLIDING WINDOWS WITH SCREEN
- 6) 12' x 12' MANUAL SLIDER WITH SCREEN (2 REQUIRED)

CUSTOMER:

**ARGO SALES  
STOCK**

TITLE:

**42" I.D. x 12'0" s/s  
1440 PSI M.A.W.P. @ 100°F  
HORIZONTAL SEPARATOR  
PLAN VIEW LAYOUT**

SPOOL DATA:					
SPOOL #	WEL PROC	X-RAY	STRESS	PRESSURE	
				DESIGN	TEST
1 thru 11	ASL-8	100 %	YES	1440#	2160#
12	ASL-8	100 %	YES	285#	428#

NOTES:	
1)	SEE DRAWING # DM1304P FOR MATERIALS LIST.

REVISIONS:			
NO.	DESCRIPTION:	BY:	DATE:
0			

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**ARGO  
SALES LTD**

DRAWN BY:	CY	SCALE:	N.T.S.
CHECKED BY:		DATE:	06/27/06
APPROVED BY:		QUOTE:	-
		DWG. #:	DM1304L
SHEET 2 OF 3		REV.:	Δ

CUSTOMER:

**ARGO SALES  
STOCK**

TITLE:

**42" I.D. x 12'0" s/s HORIZONTAL  
SEPARATOR**

SERIAL #:  
HS13256

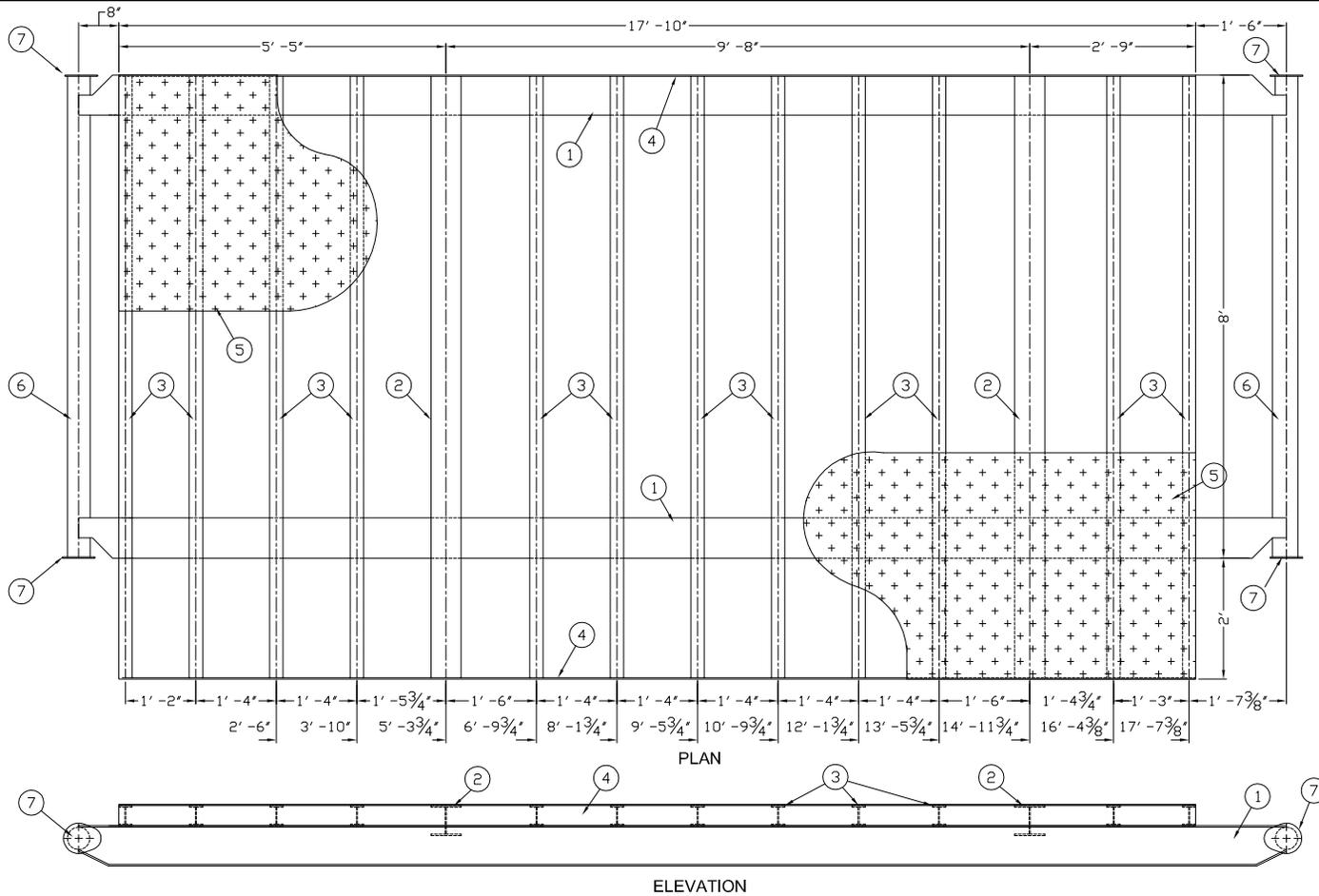
CUSTOMER:

**ARGO SALES STOCK**

TITLE:

**10'0" x 17'10" FLAT SKID DRAWING**

SERIAL #:  
HS13256



BILL OF MATERIALS:			
MARK	QTY	MAT'L	DESCRIPTION
1	2	A36	W8 @ 35#/ft WIDE FLANGE 20'
2	2	A36	W6 @ 15#/ft WIDE FLANGE 9' 11 1/2' LG
3	12	A36	S4 @ 7.74#/ft I-BEAM 9' 11 1/2' LG
4	2	A36	3/4" x 4' FLAT BAR 18' LG
5	1	A36	3/16" CHECKER PLATE 178 sq. ft.
6	2	A106	4" SCH STD. RDLL BAR 7' 11 1/2' LG
7	4	A36	4" ARGO FAB. TEAR DROP

DESIGN NOTES:		
<b>GENERAL NOTES:</b>		
1) SKID TO BE BLASTED TO SSPC-SP7 BRUSH BLAST		
2) SKID TO BE PAINTED WITH ONE COAT OF ARGO SHOP PRIMER		
3) SKID TO BE FINISHED WITH ONE COAT OF CLOVERDALE GREY ENAMEL PAINT		
4) USE FULL SEAM WELD WHEN BUTTING CHECKER PLATE TOGETHER.		
5) CHECKER PLATE TO BE STAGGERED INTERMITTENT WELDED TO ALL SUPPORT BEAMS		
6) ALL MEASUREMENTS IN THE BILL OF MATERIALS ARE APPROXIMATE		
7) APPROXIMATE WEIGHT OF THE SKID IS 4570 LBS		
<b>REVISIONS:</b>		
0	APPROVAL	CY 06.27.06
REVISION:	DESCRIPTION:	DRAWN: DATE:

CUSTOMER:	<b>ARGO SALES STOCK</b>
TITLE:	<b>10'0" x 17'10" FLAT SKID LAYOUT DRAWING</b>
DRAWN BY:	CY
CHECKED BY:	SCALE: N.T.S.
APPROVED BY:	DATE: 06/27/06
SHEET 3 OF 3	QUOTE: -
	DWG. #: DM1304S
REV.: A	

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