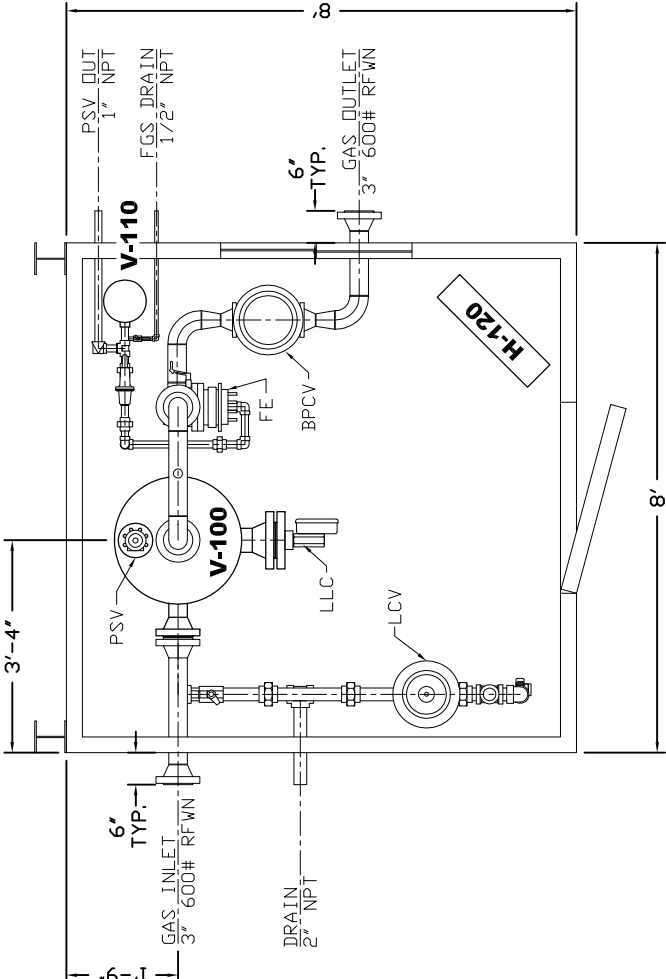
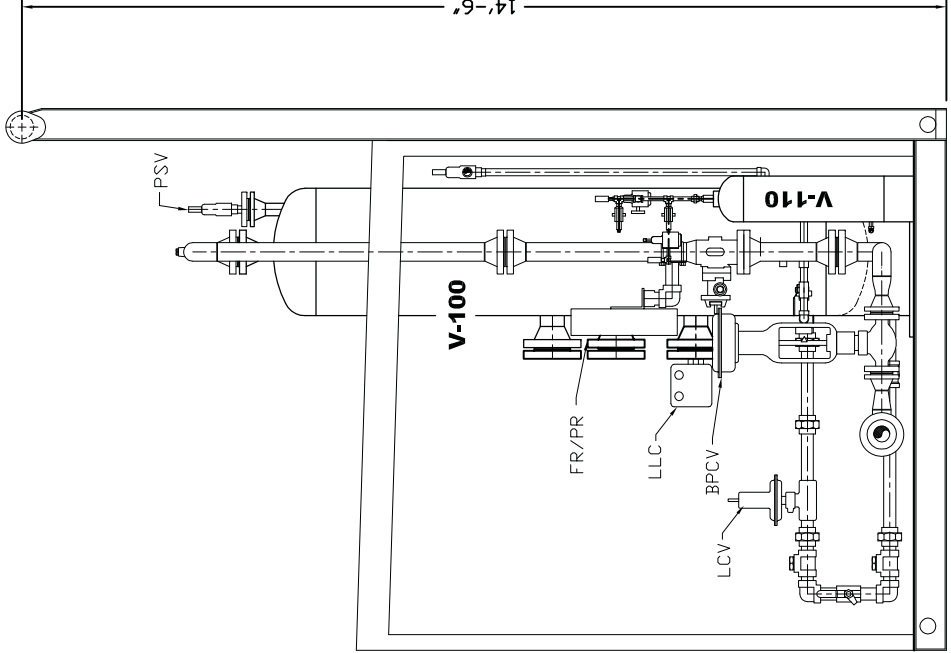
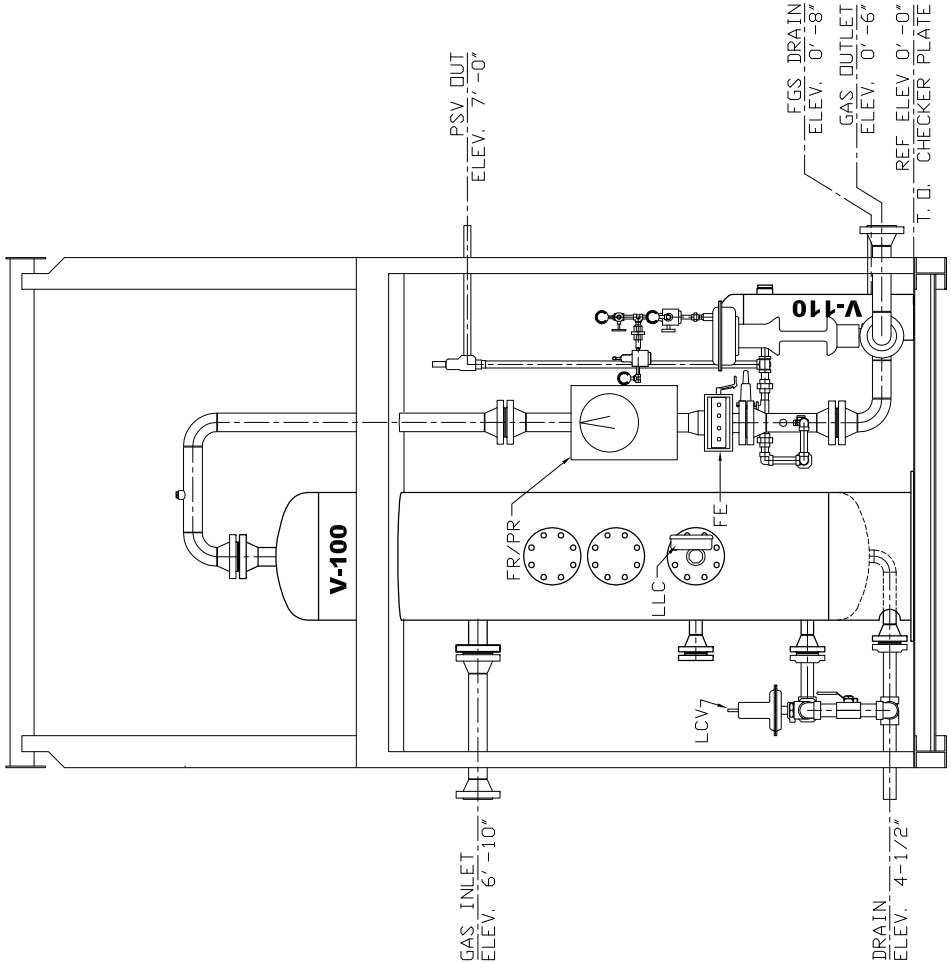


CUSTOMER:		OIL PRO EQUIPMENT		TITLE: 24" x 8'0" S/S 1440 PSI SEPARATOR P&ID		SERIAL #: 131069	
BILL OF MATERIALS:				OIL PRO EQUIPMENT			
MARK		QTY		DESCRIPTION			
LLC 100		1		2" NPT, NDRRISEAL 1001A LIQUID LEVEL CONTROLLER, SNAP ACTING, c/w FLOAT, SOUR			
PC 100		1		CVS 4150 PRESSURE CONTROLLER, 0 – 1500#, DIRECT ACTING, SOUR			
BPCV 100		1		2" 600# RF, CVS 667 D-BODY PRESSURE CONTROL VALVE, 3/4" TRIM, 14 – 30# SPRING, FAIL CLOSED, SOUR			
LCV 100		1		2" NPT 3705#, NDRRISEAL 2220 LEVEL CONTROL VALVE, 3/4" TRIM, SOUR			
PRV 110		1		1" NPT, FISHER 627 REGULATOR, 1/8" DRIFICE, 70 – 150#, STEEL BODY, NYLON DISC, SOUR			
PRV 111		1		1/4" NPT, FISHER 67 CFR REGULATOR, 5 – 35#, VENTED BONNET, SOUR			
PRV 112		1		1/4" NPT, FISHER 67 CFR REGULATOR, 5 – 35#, VENTED BONNET, SOUR			
LG 100		1		3/4" NPT, QUALITY MACHINE Q16R20 REFLEX GAUGE GLASS, c/w Q146 GAUGE COCKS, NACE			
PI 100		1		1/2" NPT x 4" FACE, PRESSURE GAUGE, 0 – 1500#, SOUR			
PI 110		1		1/4" NPT x 2 1/2", PRESSURE GAUGE, 0 – 200#, SOUR			
PI 111		1		1/4" NPT x 2 1/2" FACE, PRESSURE GAUGE, 0 – 60#, SOUR			
PI 112		1		1/4" NPT x 2 1/2" FACE, PRESSURE GAUGE, 0 – 60#, SOUR			
TI 100		1		1/2" NPT x 3" x 6" STEM, TEMPERATURE INDICATOR, –40° TO 160° F, c/w 316SS THERMOWELL, SOUR			
FE 100		1		3" 600# RF, DANIEL SENIOR DRIFICE FITTING METER RUN, AGA (2000), SCH 80, LEFT HAND CRANK, SOUR			
FR 100		1		BARTON 202E DRI–FLO RECORDER (2 PEN), 0 – 1500 PSI, 0 – 100" WC, INSTALL WITH 3 VALVE 316SS MANIFOLD, SOUR			
PSV 100		1		2" MNPT X 2" FNPT, TAYLOR 8200 PRESSURE SAFETY VALVE, SET @ 1440#, 1" G' DRIFICE, SOUR			
PSV 110		1		1" MNPT X 1" FNPT, TAYLOR 8200 PRESSURE SAFETY VALVE, SET @ 150#, 1" E' DRIFICE, SOUR			
HLSD 110		1		2" NPT, LOUVRE & GAUGES HIGH LEVEL FUEL–GAS SHUTDOWN, SOUR			
BV1/2T–2MS		1		1/2" NPT 2000#, STOCK BALL VALVE, SOUR			
BV1/2T–3MS		2		1/2" NPT 3000#, WKM BALL VALVE, FP, SOUR			
BV2T–2MS		1		1" NPT 2000#, STOCK BALL VALVE, SOUR			
NV1/2T–6MS		5		1/2" NPT 6000#, WESTERN GAUGE 316SS NEEDLE VALVE, SOUR			
GENERAL NOTES				1) PIPING TO CONFORM TO ASME B31.3 LATEST EDITION			
				2) STRESS RELIEVING ON BUTT WELDED SPIDLS: SEE CHART			
				WELDED PIPING STRESS RELIEVED FOR 1 HOUR @ 1150° F			
				MAXIMUM HEATING: 400° F/Hr FROM 800° F TO 1150° F			
				MAXIMUM COOLING: 500° F/Hr FROM 1150° F TO 800° F			
				HYDRD TEST ON BUTT WELDED SPIDLS: SEE CHART			
				ALL INSTRUMENTATION IS AIR TESTED TO 30 PSIG			
				SEE DRAWING # DM1812L FOR DESIGN NOTES			
				ALL INSTRUMNET TUBING IS TO BE VENTED OUTSIDE THE BUILDING.			
PIPING DESIGN				1) 1/2" THREADED L.P. LINES: SCH 80 WITH 3000# FITTINGS			
				2) 1" THREADED H.P. LINES: SCH 160 WITH 3000# FITTINGS			
				3) 1" THREADED L.P. LINES: SCH 80 WITH 3000# FITTINGS			
				4) 2" THREADED H.P. LINES: SCH 160 WITH 3000# FITTINGS			
				5) 2" THREADED L.P. LINES: SCH 80			
				6) WELDED PIPING: 3/8" X 0.035 WALL 316SS			
				7) INSTRUMENT TUBING: 316SS SWAGelok			
				8) INSTRUMENT TUBE FITTINGS: 1/2" X 0.049 WALL/			
				9) PROCESS TUBING: 3/8" X 0.035" WALL 316SS			
				10) PROCESS TUBE FITTINGS: 316SS SWAGelok			
MATERIALS				SA106 GR. B			
				SA105N			
				SA105N			
				SA234 WPB			
				316SS FLEXITALIC			
				2HM NUTS/B7M STUDS			
CUSTOMER:				OIL PRO EQUIPMENT			
TITLE:				24" O.D. x 8'0" S/S 1440 PSI M.A.W.P. @ 130°F 3 PHASE, DRESSED 2 PHASE, SOUR SERVICE SEPARATOR P&ID			
DRAWN BY:				CP		SCALE: N.T.S.	
CHECKED BY:						DATE: 06.21.12	
APPROVED BY:						QUOTE: –	
SHEET 1 OF 2				DWG. #:		DM1823P	
REV: Δ							

SKID 8' x 8' EL PRODUCT #07504		H-120 C.I.I. WX 12 x 24 (10,000 BTU/HR RATING) CATADYNE HEATER, NATURAL GAS, GRILL GUARD, SAFETY SHUT OFF, VENT HOOD, SOUR GAS FILTER, 25' OF 12 VOLT START CABLES.		V-110 8" O.D. x 24" S/S 375# M.A.W.P. @ 130°F FUEL GAS SCRUBBER STRESS RELIEVED, 100% RT		V-100 24" O.D. x 80" S/S 1440# M.A.W.P. @ 130°F 3 PHASE, DRESSED 2 PHASE SOUR, STRESS RELIEVED, 100% RT	
1) SEE DRAWING # DM1812L FOR GENERAL NOTES. 2) ALL INSTRUMENT TUBING IS TO BE VENTED OUTSIDE THE BUILDING.							

WELD DETAILS		DESIGN DATA:		REVISIONS:	
FLANGE TO PIPE		ASME B31.3 2010 ED. NORMAL SERVICE			
T.O.L. TO PIPE		CLASS 600 SPOOLS # 1 - 4			
		1" NPT HP PIPING			
		2" NPT PIPING			
		1440 PSIG @ 130°F			
		1440 PSIG @ 130°F			
		–20°F @ 1440 PSIG			
		–20°F @ 1440 PSIG			
		2160 PSIG			
		N/A			
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CUSTOMER: OIL PRO EQUIPMENT		TITLE: 24" O.D. x 8'0" S/S 1440# @ 130°F		SERIAL #: 131069	
DESIGN NOTES		CUSTOMER: OIL PRO EQUIPMENT		TITLE: 24" O.D. x 8'0" S/S 1440 PSI M.A.W.P. @ 130°F 3 PHASE, DRESSED 2 PHASE, SOUR SERVICE SEPARATOR, CONSTRUCTION LAYOUT	
GENERAL NOTES		DRAWN BY: <i>CP</i>		SCALE: N.T.S.	
1) MEASUREMENTS ARE APPROXIMATE		CHECKED BY:		DATE: 06.21.12	
2) APPROX. WEIGHT: 8,000 LBS		APPROVED BY:		QUOTE: -	
FINISH NOTES		SHEET 2 OF 2		DWG. #: DM1823L	
1) VESSEL, SKID & PIPING TO BE BLASTED TO SSPC-SP7 BRUSH BLAST		REV: Δ			
2) VESSEL, SKID & PIPING TO BE PRIMED WITH ONE COAT OF ARGO					
3) SHOP PRIMER					
VESSEL, SKID & PIPING TO BE FINISHED WITH ONE COAT OF ARGO					
CLOVERDALE GRAY ENAMEL					
BUILDING					
1) 8' x 8' x 8' EAVE					
2) GALVALUME EXTERIOR					
3) 24 GAUGE FLUTED ALUMINUM INTERIOR					
4) 3' x 7' INSULATED STEEL MANDDOR C/W IWG WINDOWS, PANIC HARDWARE, AND LOCKSET.					
5) 38" x 36" DOUBLE GLAZED SLIDING WINDOW WITH SCREEN					
6) 12' x 12' MANUAL SLIDER WITH SCREEN (2 REQUIRED)					

 PLAN VIEW		 SECTION VIEW		 ELEVATION	
		NOTES		REVISIONS	
1) SEE DRAWING # DM1812P FOR MATERIALS LIST.		0		CP	
2) ALL INSTRUMENTS TUBING IS TO BE VENTED OUTSIDE THE BUILDING.		NO.:		BY:	
				ISSUED FOR FABRICATION DESCRIPTION:	
				DATE:	