

REV.
DRAWING NO.

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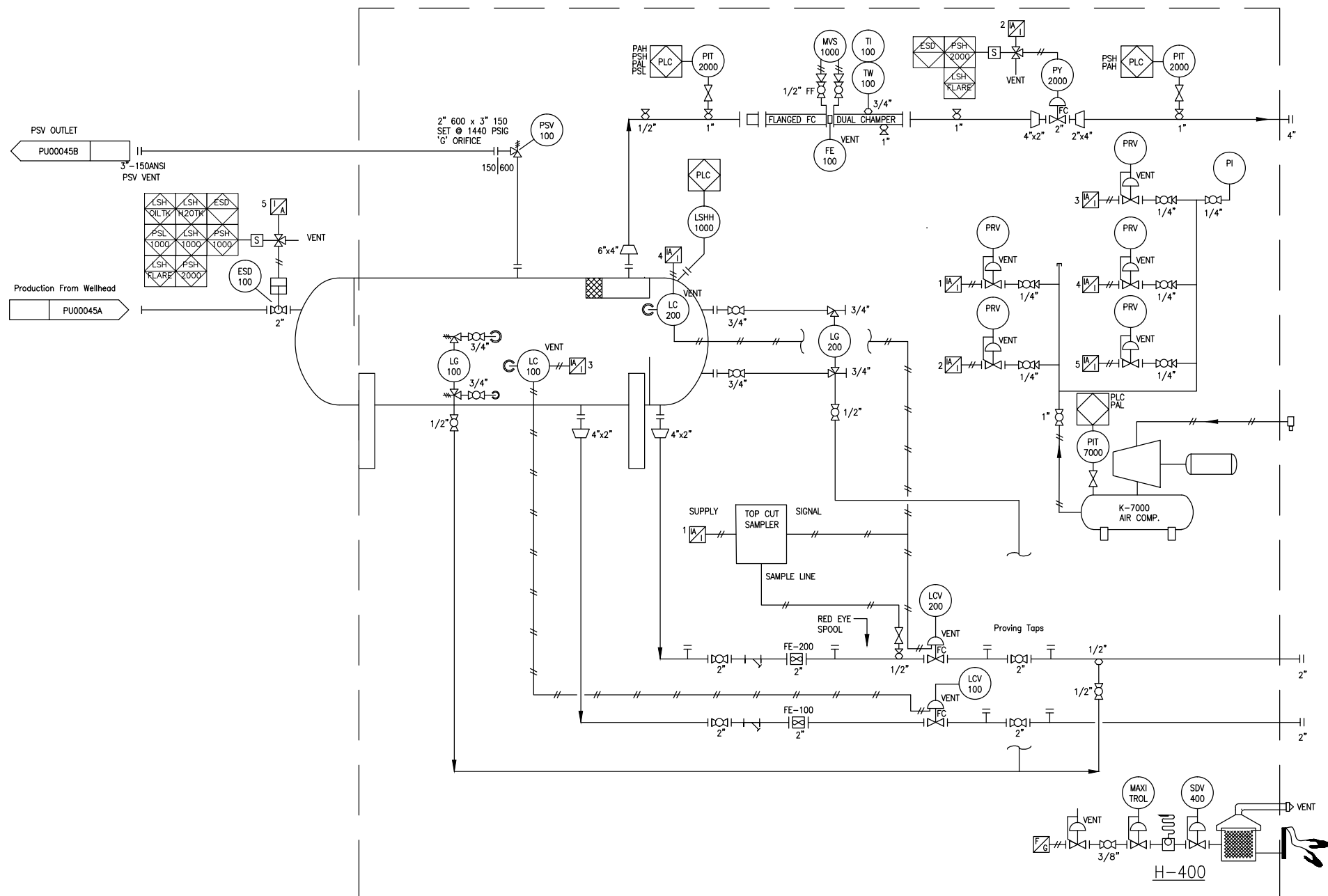
F

V-100
3-PHASE HORIZONTAL SEPARATOR

SCORE 36"OD X 10' S/S
DESIGN PRESSURE: 1440PSI @ -20°F/130°F,
REGISTERED IN AB, BC, & SK.
CRN: #V9022.213

H-400
BUILDING HEATER

CCI 20,000 BTU/HR, 24"x24"
12VDC START w/30' CABLES
SAFETY SHUT OFF, 912 REGULATOR
TEMP CONTROL, NATURAL GAS



H-11 Test Separator

NOTES:
-GASKETS ARE PER SKY EYE MEASUREMENT SOUR SPEC.
-1/8" SPIRAL WOUND W/316SS WINDINGS
-BLEED RINGS TO BE 316SS RF
-TUBING FITTINGS TO BE 316SS SWAGELOK
-PAINT SPEC SKY EYE MEASUREMENT RRSPS
-FOR INSPECTION PARAMETERS SEE PIPING SPECIFICATION

LINE NUMBER
LINE SIZE
SPECIFICATION
LINE NUMBER

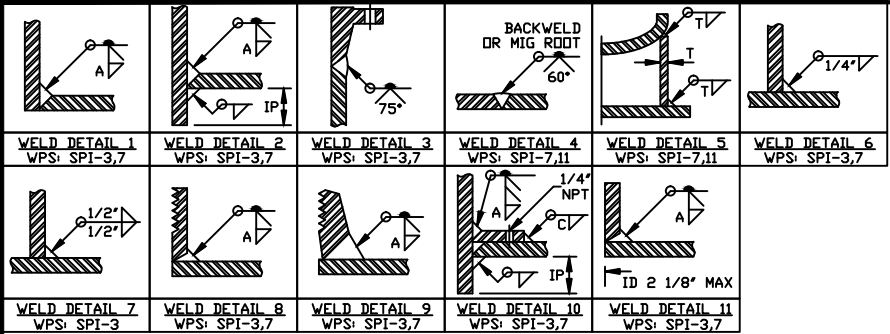
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PIPING SPECIFICATION: SEVERE SERVICE						DRAWING REVISION				
SPEC	ANSI	PRESSURE	TEMP	MAT'L	I/C	REV.	DATE	DESCRIPTION	BY	CHK.
-	-	-	-	-	-	-	-	-	-	-
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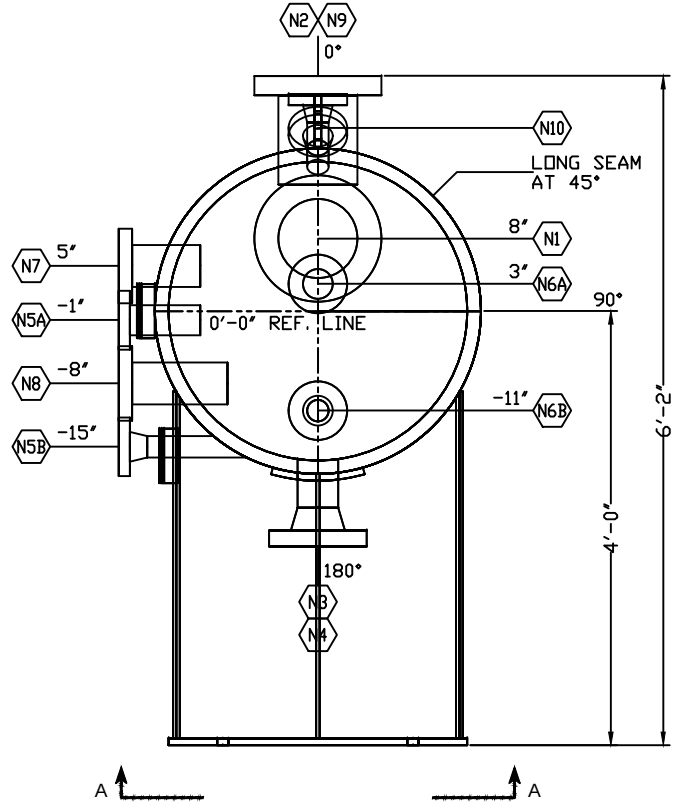
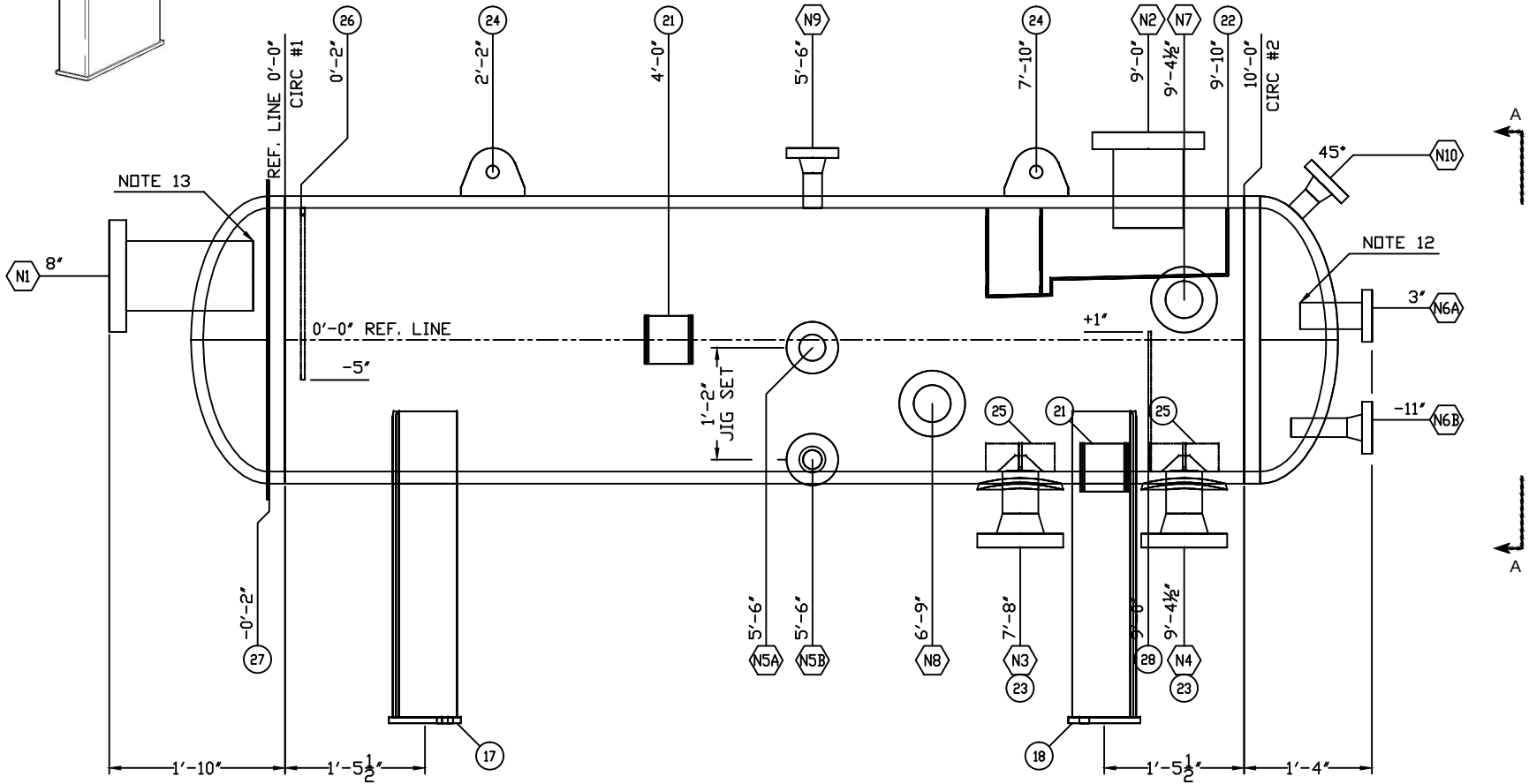
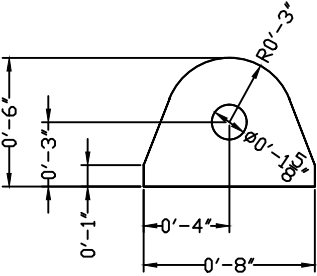
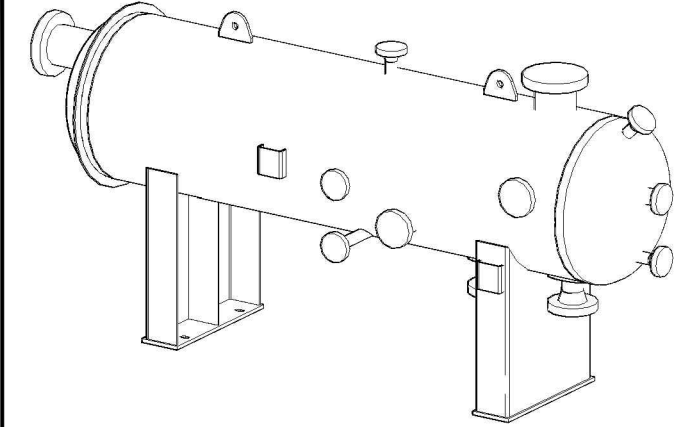
PROCESS FLOW DIAGRAM

QUOTE:
JOB NUMBER:
DATE:
DWN:
SCALE:
DRAWING NO:



CONNECTION SCHEDULE												
MARK	QTY	SIZE	SCH	CLASS & TYPE	SERVICE	MINIMUM PROJECTION		WELD SIZE			WELD DETAIL	BOM ITEM NO.
						INSIDE	OUTSIDE	A	B	C		
N1	1	6"	1.38"	600 RFLWN	INLET	1/2"	8"	3/8"	-	-	2	4
N2	1	6"	1.38"	600 RFLWN	GAS OUT	1"	8"	3/8"	-	-	2	5
N3	1	4"	XXH	600 RFLWN	H2O OUT	0"	8"	3/8"	-	9/16"	2, 3	6, 12, 23
N4	1	4"	XXH	600 RFLWN	OIL OUT	0"	8"	3/8"	-	9/16"	2, 3	6, 12, 23
N5A	1	2"	0.655"	600 RFLWN	H2O LC	1 1/8"	AS REQ'D	3/8"	-	-	2	9
N5B	1	2"	160	600 RFLWN	H2O LC	N/A	AS REQ'D	3/8"	-	-	2, 3	10, 16
N6A	1	2"	0.655"	600 RFLWN	OIL LC	1 1/8"	AS REQ'D	3/8"	-	-	2	9
N6B	1	2"	160	600 RFLWN	OIL LC	0"	AS REQ'D	3/8"	-	-	2, 3	10, 15
N7	1	3"	0.81"	600 RFLWN	HLSD / INSP	1 1/2"	AS REQ'D	3/8"	-	-	2	7
N8	1	3"	0.81"	600 RFLWN	OIL LC	1/2"	AS REQ'D	3/8"	-	-	2	8
N9	1	2"	160	600 RFLWN	PSV	0"	6"	3/8"	-	-	3, 11	10, 14
N10	1	2"	160	600 RFLWN	LG HYDROVENT	0"	AS REQ'D	3/8"	-	-	3, 11	10, 13

BILL OF MATERIALS					
ITEM	QTY	COMMENT	DESCRIPTION		MATERIAL
1	2	HEADS	PLATE - 36"OD x 1 1/2" THK 2:1 SE, 2" SF HF (1.4375" MIN)		SA-516-70N
2	1	SHELL	PLATE - 36"OD x 10'-0" LG x 1 1/2" THK		SA-516-70N
3					
4	1	N1	FLANGE - 6" CLASS 600 RFLWN x 18" LG (1.38")		SA-350-LF2
5	1	N2	FLANGE - 6" CLASS 600 RFLWN x 12" LG (1.38")		SA-105N
6	2	N3, N4	FLANGE - 4" CLASS 600 SCH.XXH RFWN (0.674")		SA-105N
7	1	N7	FLANGE - 3" CLASS 600 RFLWN x 12" LG (0.81")		SA-105N
8	1	N8	FLANGE - 3" CLASS 600 RFLWN x 9" LG (0.81")		SA-105N
9	2	N5A, N6A	FLANGE - 2" CLASS 600 RFLWN x 9" LG (0.344")		SA-105N
10	4	N5B, N6B, N9, N10	FLANGE - 2" CLASS 600 SCH.160 RFWN (0.655")		SA-105N
11					
12	2	N3, N4	PIPE - 4" SCH.XXH x 6' LONG (0.674")		SA-106-B
13	1	N10	PIPE - 2" SCH.160 x 4' LONG (0.344")		SA-106-B
14	1	N9	PIPE - 2" SCH.160 x 6' LONG (0.344")		SA-106-B
15	1	N6B	PIPE - 2" SCH.160 x 7' LONG (0.344")		SA-106-B
16	1	N5B	PIPE - 2" SCH.160 x 16 3/4' LONG (0.344")		SA-106-B
17	1	BASE PLATE	PLATE - 33" x 9" x 3/4" THK - ANCHOR HOLE		G40.21 - 44W
18	1	BASE PLATE	PLATE - 33" x 9" x 3/4" THK - SLOTTED HOLE		G40.21 - 44W
19	2	LEGS	PLATE - 3/8" THK SEE DETAIL		G40.21 - 44W
20					
21	2	NAME PLATE	STANDARD NAME PLATE AND BRACKET		SS / SA-36
22	1	DEMISTER ASSY	DEMISTER ASSEMBLY - SEE DETAIL		G40.21 - 44W
23	2	REPAD	PLATE - 1 3/8" THICK x 2" WIDE RING		G40.21 - 44W
24	2	LUGS	PLATE - 3/4" THICK - SEE DETAIL		G40.21 - 44W
25	2	VORTEX	PLATE - 1/4" THICK - SEE DETAIL		G40.21 - 44W
26	1	DEFLECTOR	PLATE - 1/2" THICK - SEE DETAIL		G40.21 - 44W
27	1	BUILDING FLANGE	PLATE - 1/4" THICK - 36"ID x 40"OD		G40.21 - 44W
28	1	WEIR	PLATE - 1/4" THICK - 33"OD x 17 1/2" TALL SEE DETAIL		G40.21 - 44W



GENERAL NOTES

- QUALITY CONTROL PROGRAM NUMBER: AQP-1521
- WELDING PROCEDURE REGISTRATION NUMBER: WP-3269.2
- CAPACITY: 67 CUFT
- SERVICE: HYDROCARBONS
- EXPOSED INSIDE EDGES OF NOZZLES OR OPENINGS SHALL HAVE AN 1/8" MINIMUM RADIUS
- SURFACE PREPARATION: HAND TOOL CLEAN (MINIMUM)
- PRIME AND PAINT: AS PER CLIENT SPECIFICATIONS
- ALL BOLT HOLES TO STRADDLE CENTERLINES
- CLEAN AND COVER ALL OPENINGS FOR SHIPMENT
- USE WELD PROCEDURE SPI-3, 7, 11 FOR ALL TACK WELDS
- CRN DRAWING: 3964-1 Rev 3, 3964-2 Rev 3
- CRN: V9022.213
- 3/8" RADIUS ID OF N5A, N6A
- 1/2" RADIUS ID OF N1

DESIGN NOTES

DESIGN & FABRICATE TO: ASME SECTION VIII, DIVISION 1
2013 EDITION
MAXIMUM ALLOWABLE WORKING PRESSURE (MAWP): 1440 PSIG
DESIGN TEMPERATURE: 130°F
MINIMUM DESIGN METAL TEMPERATURE (MDMT): -20°F AT 1440 PSIG
IMPACT TEST: EXEMPT PER UG-20F 1-5, UCS66a, UCS-66b
FLANGES EXEMPT PER UCS-66c
RADIOGRAPHY: FULL PER UW-11a (RT-1)
PWHT PER UCS-56, 90 MIN @ 1125°F
HYDROSTATIC TEST PRESSURE: 1878 PSIG
CORROSION ALLOWANCE: 1/8"
WEIGHT EMPTY: 8,000 lbs
WEIGHT FULL OF WATER: 12,000 lbs

1	20/02/2014	REVISED AS PER MARKUPS	DF	JT
0	19/02/2014	ISSUED FOR CONSTRUCTION	DF	JT
REV	DATE	REVISION	BY	APP
SCORE PROJECTS INC.				
BOX 1889, 3814 - 47 AVENUE, STETTLER, AB T0C 2L0 TELEPHONE: (403) 742-2266 FAX: (888) 317-7460				
CLIENT:	TKS	SN V-13877		
DATE:	05/12/2013	<u>3 PHASE SOUR SEPARATOR</u>		
JOB NO:	V-13877	36" OD x 10'-0" S/S		
DRAWN BY:	DF	1440 PSIG AT -20° F / 130° F		
CHECKED BY:	JT	DWG NO:	V-13877	REV
APP BY:	JT	1		