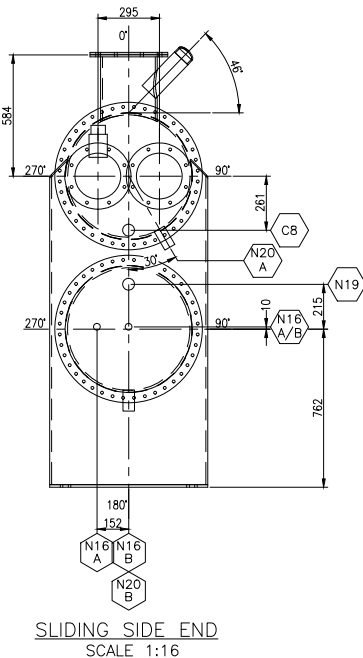
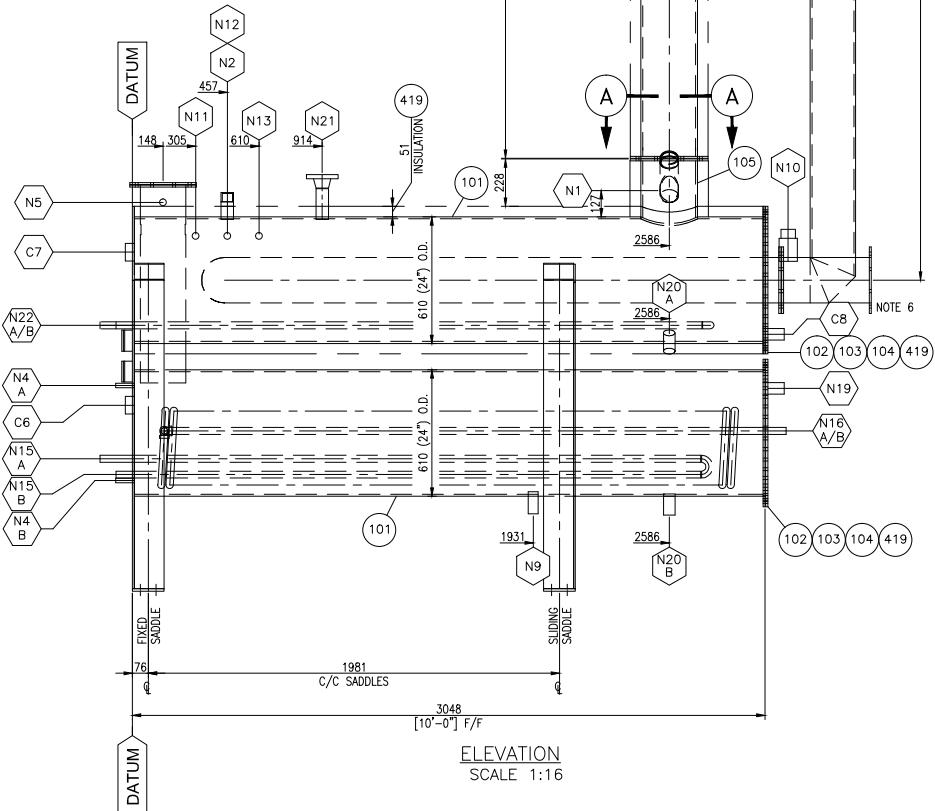
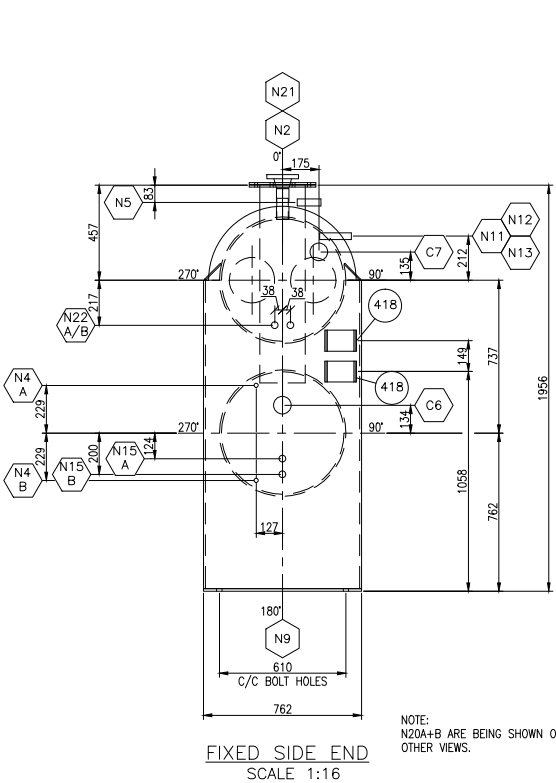
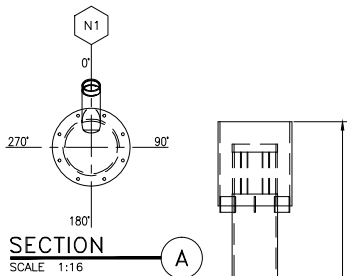
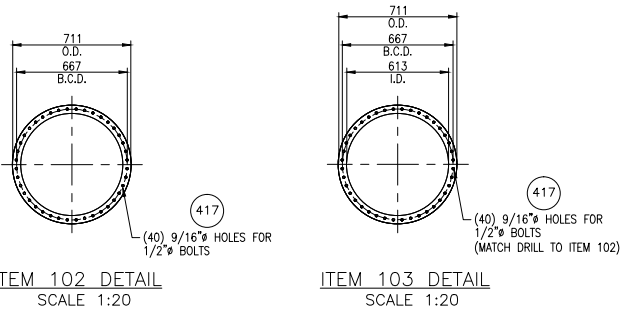
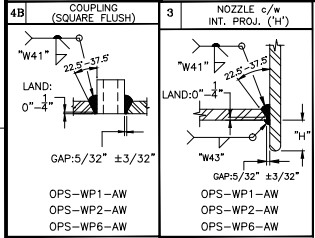
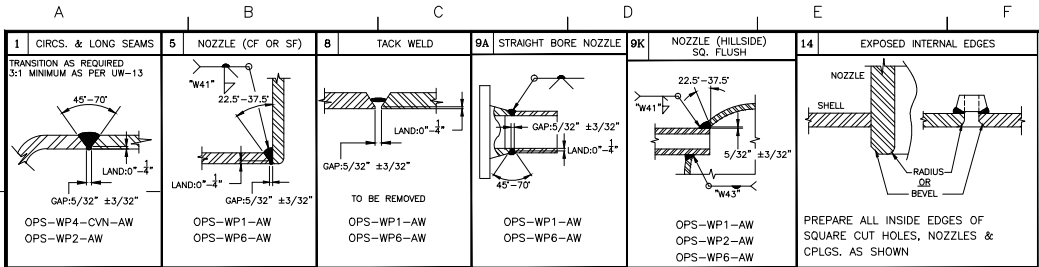




BILL OF MATERIAL									
ITEM	QTY.	SIZE	TYPE	RATING	SCH./W.T.	MAT'L SPEC	DESCRIPTION	WEIGHT	
100. VESSEL									
101	2	24" O.D	PIPE	-	STD	A-252	REBOILER & ACCUMULATOR SHELLS 3034mm LONG	858	
102	2	28" O.D	PLATE	-	3/8"	SA-36/44W	REBOILER & ACCUMULATOR END FLANGE	86	
103	2	28" O.D 24 1/8" I.D	FLG PLATE	-	3/8"	SA-36/44W	REBOILER & ACCUMULATOR FLANGE RING	19	
104	2	28" O.D	GASKET	-	1/8"	GARLOC	SHEET GASKET DRILL HOLES TO MATCH FLANGE RING	11	
105	1	10"	PIPE	-	STD	A-53B ERW	STILL COLUMN BASE 310 mm LONG	19	
200. CONNECTIONS									
201	1	3"	NIPPLE		40	SA-106B	NIPPLE 225 mm LONG	8	
202	1	2"	NIPPLE		80	SA-106B	NIPPLE 102 mm LONG	4	
203	2	1/2"	NIPPLE		80	SA-106B	NIPPLE 102 mm LONG	3	
204	2	2"	CPLG	CL3000		SA-105N	HALF COUPLING	3	
205	3	1"	CPLG	CL3000		SA-105N	FULL COUPLING	3	
206	3	1"	NIPPLE		80	SA-106B	INTERNAL THRD NIPPLE 152 mm LONG	1	
207	1	1 1/2"	PIPE		STD	SA-106B	PIPE 100 mm LONG	1	
208									
209	1	3"	CAP	CL3000		SA-105N	CAP	1	
210	1	3"	NIPPLE	CL150	40	SA-106B	NIPPLE 110 mm LONG	8	
211	1	3"	PLUG	CL3000		SA-105N	PLUG	1	
212	1	2"	PLUG	CL3000		SA-105N	PLUG	1	
213	1	3"	RFWN	CL150	STD	SA-105N	ANSI FLANGE	8	
214	AS REQ'D	3"	PIPE		STD	SA-106B	PIPE	12	
215	1	2"	RFWN	CL150	STD	SA-105N	ANSI FLANGE	7	
216	AS REQ'D	2"	PIPE		STD	SA-106B	PIPE	10	
400. EXTERNAL ASSEMBLIES									
417	80	1/2"ø x 2" LG	BOLT & NUTS			SA-193-B7M SA-194-2HM	BOLTS w/ NUTS & WASHERS	12	
418	2	6"x4"	PLATE			SA-516-70N	NAME PLATE	2	
419	AS REQ'D	2"	INSULATION			FG	FIBER GLASS INSULATION COMPLETE WITH VAPOR BARRIER		

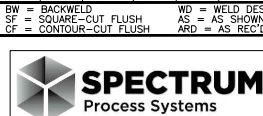
1078

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE NOTED.
2. ALL BOLT HOLES TO STRADDLE NATURAL VESSEL CENTER LINES UNLESS OTHERWISE NOTED.
3. STRIPPING GAS PREHEAT COIL, REFLUX COLUMN AND GLYCOL COIL TO BE BUILT IN ACCORDANCE WITH ASME B31.3 WITH CORROSION ALLOWANCE OF 1.6mm AND A MAWP OF 200 Psig @ 400°F.
4. OVER PRESSURE PROTECTION TO BE OFFERED TO CLIENT. ADAPTER PLATE REQUIRED FOR INSTALL.
5. DESIGNED FOR 350,000 BTU/HR NET BURNER SYSTEM (280,000 BTU/HR CONTINUOUS AND 350,000 BTU/HR START UP SERVICE).

INSPECTION NOTES:
6. REBOILER AND ACCUMULATOR DESIGNED TO MAWP OF 7 Psig AND STATIC HYDROTESTED FOR 1 hr MIN.
7. STRIPPING GAS PREHEAT COIL 10% X-RAY AND HYDROTEST 300 Psig FOR 1 hr HOLD.
8. REFLUX COLUMN 10% X-RAY AND HYDROTEST PER DETAILED DRAWING.
9. GLYCOL COIL 10% X-RAY AND HYDROTEST 300 Psig FOR 1 hr HOLD.
10. ALL SA MATERIAL TO BE NACE COMPLIANCE (MR0175/15156-2).
11. FIRE TUBE TO BE STATIC HYDROTEST 1 hr MIN.

DWG. RELEASE
FABRICATION COPY NO: __ OF __
DATE: _____
SIGNED: _____

LAYOUT		NOZZLE SCHEDULE											FILLET WELD SIZE		PROJECTION		ITEM
Q.C.	SUPERVISOR	MARK	SIZE	RATING	NECK O.D.	TYPE	SERVICE	W.D.	W41	W42	W43	H (MIN.)	EXT. PROG.				
		N1	3"	40	3.500"	NIPPLE	PSV RETURN FROM P328A+B	5	0.375"	—	BW	CF	110	201,209			
		N2	2"	80	2.375"	NIPPLE	SPARE	5	0.375"	—	BW	SF	75	202,212			
		N3	—	—	—	—	DELETED	—	—	—	—	—	—	—			
		N4A/B	1/2"	80	0.839"	NIPPLE	LG	5	0.375"	—	BW	SF	80	203			
		N5	1"	80	1.315"	PIPE	STRIPPING GAS INLET	5	0.375"	—	BW	SF	75	310			
		C6	2"	CL3000	3.311"	HALF CPLG	LLSD (ACC)	4B	0.375"	—	BW	SF	60	204			
		C7	2"	CL3000	3.311"	HALF CPLG	LLSD (REB)	4B	0.375"	—	BW	SF	60	204			
		C8	1"	CL3000	1.315"	CPLG	DRAIN	4B	0.375"	—	BW	SF	90	205			
		N9	1 1/2"	STD	1.900"	PIPE	DRAIN / GLYCOL OUT	3	0.375"	—	BW	1/2"	85	207			
		N10	3"	40	3.500"	NIPPLE	LIGHTING ACCESS	5	0.375"	—	BW	SF	102	210,211			
		N11	1"	80	1.823"	NIPPLE	TC	5	0.375"	—	BW	SF	137	206			
		N12	1"	80	1.823"	NIPPLE	TI	5	0.375"	—	BW	SF	137	206			
		N13	1"	80	1.823"	NIPPLE	TSHH	5	0.375"	—	BW	SF	137	206			
		C14	—	—	—	—	DELETED	—	—	—	—	—	—	—			
		N15A/B	1"	80	1.315"	PIPE	FUEL/STRIPPING GAS COIL IN/OUT	5	0.375"	—	BW	—	156/80	301,302,303			
		N16A/B	1"	40	1.315"	PIPE	GLYCOL COIL IN / OUT	5	0.375"	—	BW	—	36	319,320			
		N17	3"	CL150	3.500"	RFWN	VENT	5,14 9A	0.375"	—	BW	SF	150	213,214			
		N18	1 1/2"	80	1.900"	PIPE	RICH GLYCOL INLET	5	0.375"	—	BW	—	150	309			
		N19	1"	CL3000	2.189"	CPLG	SKIM CONNECTION	4B	0.375"	—	BW	SF	90	205			
		N20A/B	1"	CL3000	1.315"	CPLG	FILL	4B	0.375"	—	BW	SF	90	205			
		N21	2"	CL150	2.375"	RFWN	PVRV	5,14 9A	0.375"	—	BW	SF	203	215,216			
		N22A/B	1"	80	1.315"	PIPE	JT OUTLET HEAT COIL	5	0.375"	—	BW	—	156/80	323,324,325			



DESIGN DATA			
CUTTING			
CLIENT		HUSKY ENERGY c/o EXCELSIOR ENGINEERING	
PROJECT		DEHYDRATION AND JT PACKAGE LSD: 02-20-050-18 WSM COMPRESSOR STATION	
TITLE 610mm (24") O.D x 3048mm (10') 350,000 BTU/HR REBOILER & ACCUMULATOR			
Scale	JOB NO.	DWG. NO.	REV.
1:1	SPS-14-05110	REB-14-05110-81-001	2

ENGINEERS RECORD		DATE
DRAWN BY	S. SALIM	JUL. 23, 2014
CHECKED BY	T. DIXON	JUL. 24, 2014
REVIEWED BY	S. SAVAGE	JUL. 24, 2014
PM APPD. BY	L. ARIAS	JUL. 24, 2014
Q.C. APPD. BY	J. LAING	JUL. 24, 2014

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