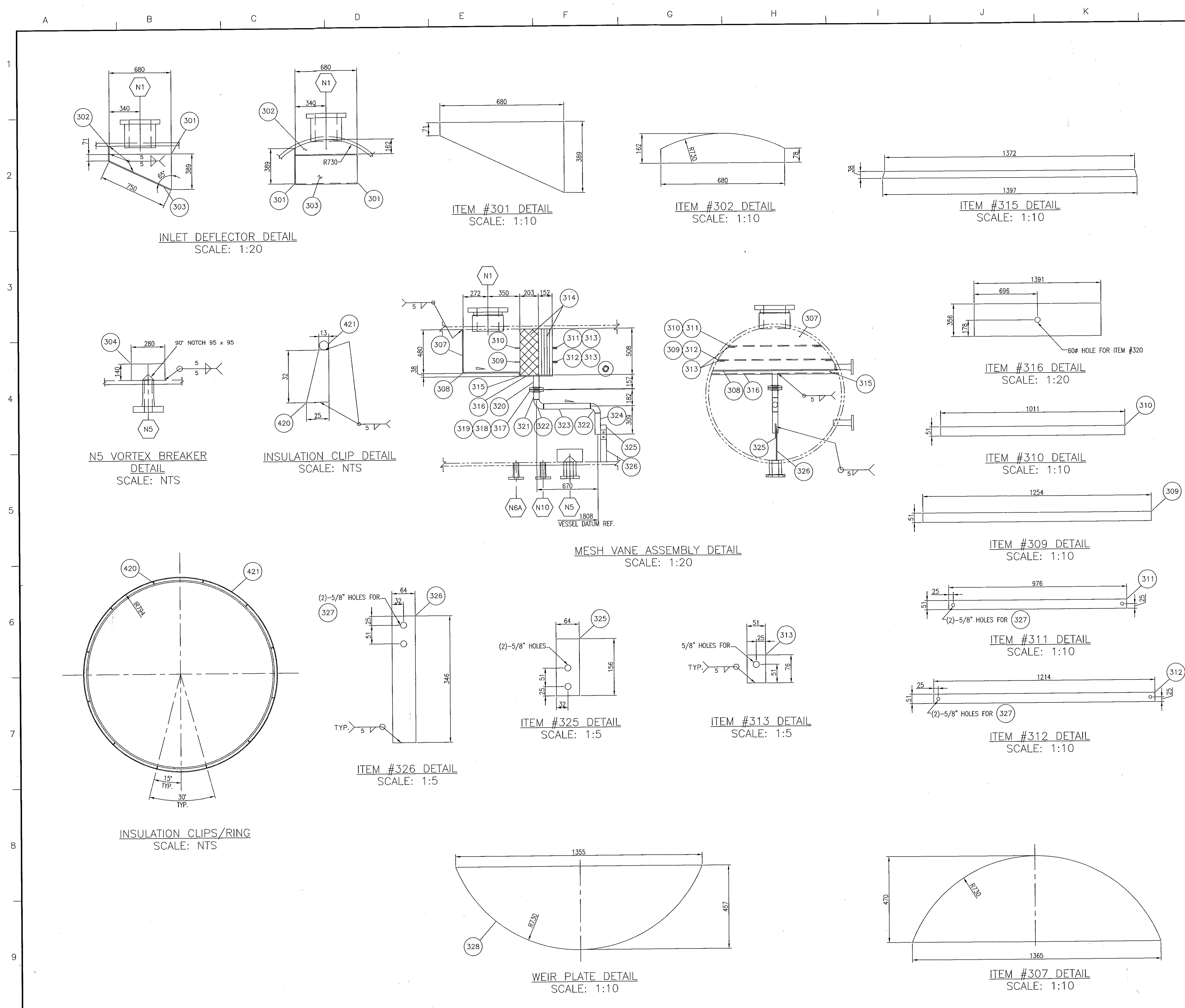
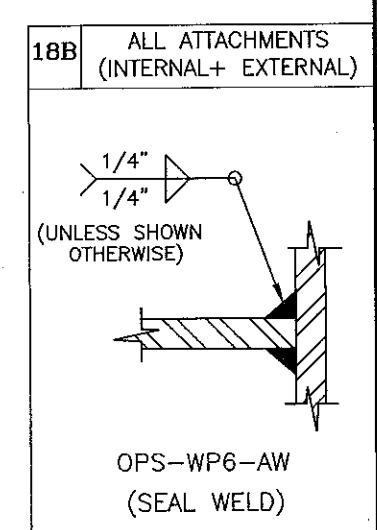
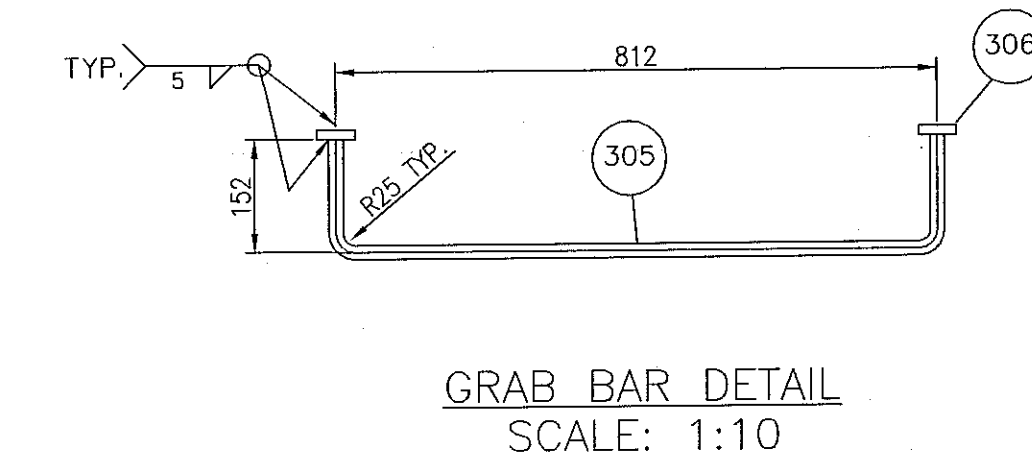




BILL OF MATERIAL											
ITEM	QTY.	SIZE	TYPE	RATING	SCH./W.T.	MAT'L SPEC	DESCRIPTION				WEIGHT (kgs)
300. INTERNAL ASSEMBLIES											
301	2	3/8" THK	PLATE			SA-516-70N	INLET DIVERTER SIDE PLATE (CUT AS SHOWN)				24
302	1	3/8" THK	PLATE			SA-516-70N	INLET DIVERTER BACK PLATE (CUT TO SUIT)				7
303	1	3/8" THK	PLATE			SA-516-70N	INLET DIVERTER BOTTOM PLATE				38
304	1	1/4" THK	PLATE			SA-516-70N	VORTEX BREAKER PLATE				2
305	2	3/4" ø	ROUND BAR			A-36	ROUND BAR				6
306	4	1/2" THK	PLATE			SA-516-70N	GRAB BAR POISON PAD				4
307	1	3/8" THK	PLATE			SA-516-70N	DEMISTER FRONT PLATE				35
308	1	3/8" THK	PLATE			SA-516-70N	DEMISTER SUPPORT PLATE				65
309	1	3/8" THK	PLATE			SA-516-70N	DEMISTER SUPPORT BAR				5
310	1	3/8" THK	PLATE			SA-516-70N	DEMISTER SUPPORT BAR				5
311	1	3/8" THK	PLATE			SA-516-70N	DEMISTER SUPPORT BAR				4
312	1	3/8" THK	PLATE			SA-516-70N	DEMISTER SUPPORT BAR				4
313	4	3/8" THK	PLATE			SA-516-70N	DEMISTER SUPPORT CLIP				4
314	1		VANE PACK			316SS	JONEL STYLE MESH/VANE ASSEMBLY				-
315	1	3/8" THK	PLATE			SA-516-70N	DEMISTER CONNECTOR PLATE (CUT TO SUIT)				4
316	1	3/8" THK	PLATE			SA-516-70N	DEMISTER CONNECTOR PLATE (CUT TO SUIT)				37
317	2	2"	RFSO FLG	CL300	160	SA-105N	ANSI FLANGE				7
318	1 SET	5/8" x 3 1/2" LG. STUDS				SA-193-B7M SA-194-2HM	8 STUDS & 16 NUTS				2
319	1	2"	RF GASKET	CL300		316SS	SPWD FLEX, 3 THK.				-
320	1	2"	CS PIPE		160	SA-106B	SEAMLESS PIPE				1
321	1	2"	CS PIPE		160	SA-106B	SEAMLESS PIPE				1
322	2	2"	CS ELBOW		160	SA-234-WPB	ELBOW, BW, 90° LR				2
323	1	2"	CS PIPE		160	SA-106B	SEAMLESS PIPE				3
324	1	2"	CS PIPE		160	SA-106B	SEAMLESS PIPE				1
325	1	3/8" THK	PLATE			SA-516-70N	SUPPORT PLATE CLIP				2
326	1	3/8" THK	PLATE			SA-516-70N	SUPPORT PLATE CLIP				1
327	6 SETS	1/2" ø	BOLTS & NUTS			SA-325	BOLTS AND NUTS				2
328	1	3/8" THK	PLATE			SA-516-70N	WEIR PLATE				40
400. EXTERNAL ASSEMBLIES											
420	12	3/8" THK	PLATE			SA-516-70N	INSULATION CLIP, EVENLY SPACED				6
421	1	3/8"ø	ROUND BAR			G40.21/44W	INSULATION ROUND BAR				10
							S020 LG. C.T.S.				



10	<table><tr><th colspan="2">No.</th><th>DATE</th><th colspan="2">REVISIONS</th><th>BY</th><th>CHK</th><th>REW</th><th>APP</th><th>PM</th><th>QC</th><th>No.</th><th>DATE</th><th colspan="2">REVISIONS</th><th>BY</th><th>CHK</th><th>REW</th><th>APP</th><th>PM</th><th>QC</th></tr><tr><td>0</td><td>SEP 25 2014</td><td colspan="2">ISSUED FOR CONSTRUCTION</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="2"></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="2"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="2"></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="2"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="2"></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td colspan="2"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td colspan="2"></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>												No.		DATE	REVISIONS		BY	CHK	REW	APP	PM	QC	No.	DATE	REVISIONS		BY	CHK	REW	APP	PM	QC	0	SEP 25 2014	ISSUED FOR CONSTRUCTION																																																																																		THIS DRAWING IS THE PROPERTY OF SPECTRUM PROCESS SYSTEM INC. AND LOANED TO THE RECIPIENT FOR HIS CONFIDENTIAL USE ONLY. IN CONSIDERATION OF THE LOAN OF THIS DRAWING, THE RECIPIENT PROMISES AND AGREES THAT IT SHALL NOT BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF SPECTRUM PROCESS SYSTEM INC. THAT IT SHALL BE RETURNED UPON REQUEST, AND THAT IT SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY PURPOSE OTHER THAN THAT INTENDED WITHOUT THE WRITTEN PERMISSION OF SPECTRUM PROCESS SYSTEM INC.												<table><tr><th colspan="2">ENGINEERS RECORD</th><th colspan="2">DATE</th></tr><tr><td>DRAWN BY</td><td>P.CHANG</td><td colspan="2">JULY 18 2014</td></tr><tr><td>CHECKED BY</td><td>MOON</td><td colspan="2">SEP 27 2014</td></tr><tr><td>REVIEWED BY</td><td></td><td colspan="2"></td></tr><tr><td>APPROVED BY</td><td></td><td colspan="2">11/04/14</td></tr><tr><td>PM APPD. BY</td><td></td><td colspan="2">SEP 26 14</td></tr><tr><td>Q.C. APPD. BY</td><td></td><td colspan="2">SEP 29 14</td></tr></table>				ENGINEERS RECORD		DATE		DRAWN BY	P.CHANG	JULY 18 2014		CHECKED BY	MOON	SEP 27 2014		REVIEWED BY				APPROVED BY		11/04/14		PM APPD. BY		SEP 26 14		Q.C. APPD. BY		SEP 29 14						<table><tr><td colspan="4">CLIENT</td><td colspan="4">HUSKY OIL OPERATIONS LIMITED</td></tr><tr><td colspan="4"></td><td colspan="4">c/o EXCELSIOR ENGINEERING LTD.</td></tr><tr><td colspan="4">PROJECT</td><td colspan="4">NORTHERN ALBERTA OPERATING AREA</td></tr><tr><td colspan="4"></td><td colspan="4">LSD: 02-20-050-18 WSM</td></tr><tr><td colspan="4">TITLE</td><td colspan="4">INLET SEPARATOR PACKAGE DETAILS</td></tr><tr><td colspan="2">Scale</td><td colspan="2">JOB No.</td><td colspan="2">DWG. No.</td><td colspan="2">REV.</td></tr><tr><td colspan="2">1:1</td><td colspan="2">SPS-14-05111</td><td colspan="2">V-14-05111-31-002</td><td colspan="2">0</td></tr></table>				CLIENT				HUSKY OIL OPERATIONS LIMITED								c/o EXCELSIOR ENGINEERING LTD.				PROJECT				NORTHERN ALBERTA OPERATING AREA								LSD: 02-20-050-18 WSM				TITLE				INLET SEPARATOR PACKAGE DETAILS				Scale		JOB No.		DWG. No.		REV.		1:1		SPS-14-05111		V-14-05111-31-002		0	
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