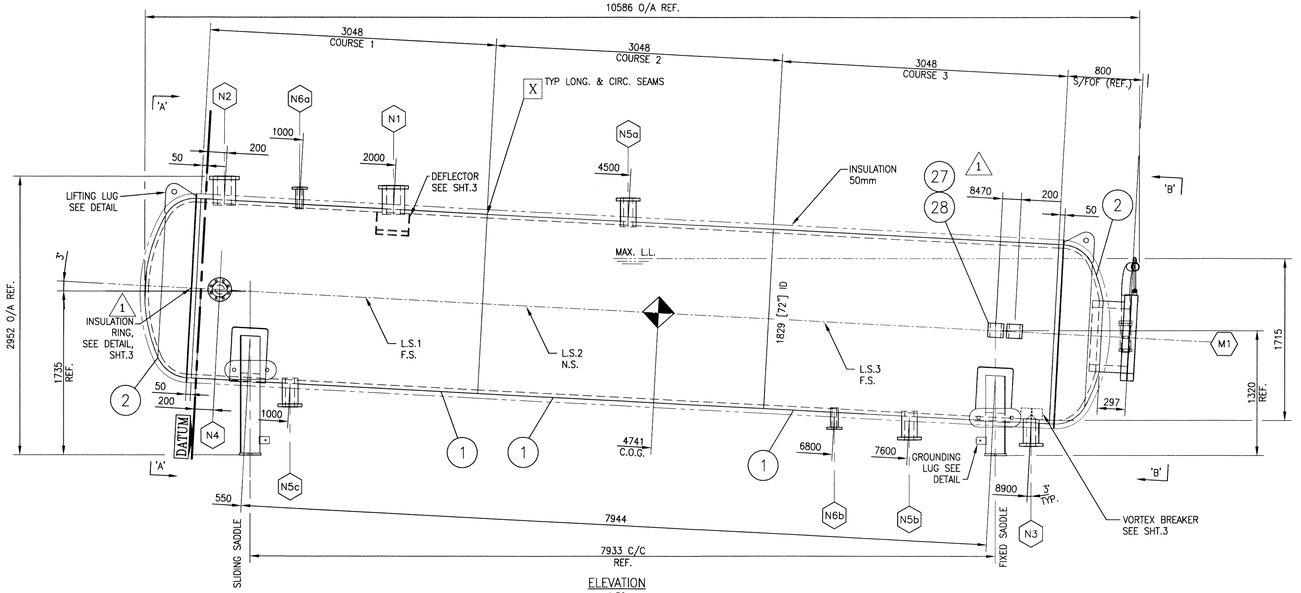
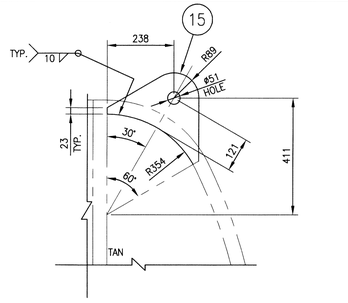
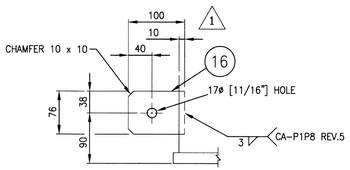


ELEVATION
1:30

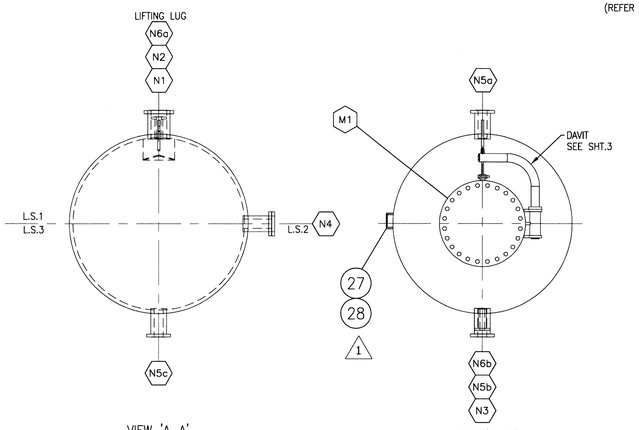
(REFER ALL TAIL DIMENSIONS TO VESSEL DATUM)



LIFTING LUG DETAIL
1:10

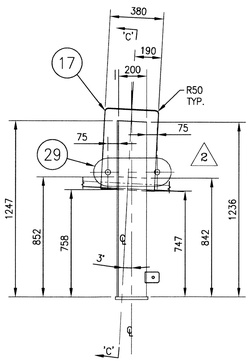


GROUNDING LUG
1:5

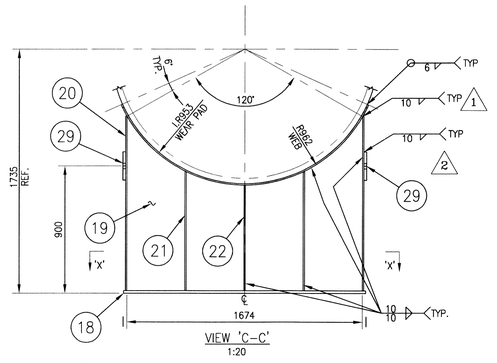


VIEW 'A–A'
1:30

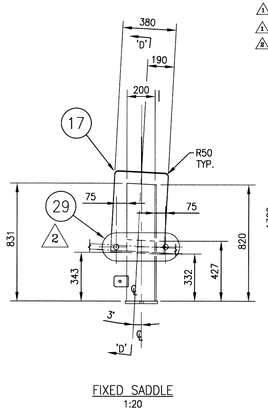
VIEW 'B–B'
1:30



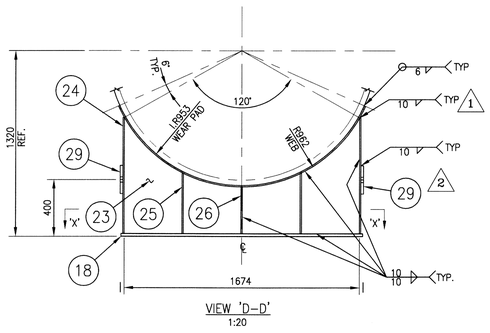
SLIDING SADDLE
1:20



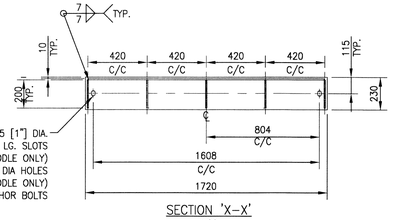
VIEW 'C–C'
1:20



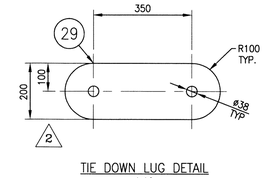
FIXED SADDLE
1:20



VIEW 'D–D'
1:20



SECTION 'X–X'
1:20



TIE DOWN LUG DETAIL
1:10

MATERIAL LIST

MATERIAL REQUIREMENTS

M (MTR's): MTR's REQUIRED AND MATERIAL IDENTIFIED AS PER Q.C. MANUAL
I (IMPACT TESTING): YES, SEE SHT.2
C (CHEMISTRY): NO

MK	QTY	PART NO.	DESCRIPTION	LENGTH	MATERIAL	WT (kgs)	MAT REQ
1	3	10498	SHELL, CYLINDRICAL, 38.10 [1.500"] THK x 1829 [72"] ID	3048	SA-516-70N	5348	M,N,I,C
2	2	10498	STARTING HEAD, ASME 2:1 SE, 1829 [72"] ID, w/ 50 [2"] S.F. AND MIN. THK. OF		SA-516-70N	1250	M,N,I,C
			37.80 [1.490"]; 37.50 [1.480"] MIN. CROWN & KNUCKLE THK.		SA-516-70N		1
3	1		FLANGE, DN600 [24"] CLASS 300 ASME B16.5 RFHB	406	SA-350-LF2 CL1	947	M,N
4	1	9710	FLANGE BLIND, DN600 [24"] CLASS 300 ASME B16.5 RF		SA-350-LF2 CL1	342	M,N
5	2		FLANGE, DN150 [6"] CLASS 300 ASME B16.5 RFHB	305	SA-350-LF2 CL1	141	M,N
6	5		FLANGE, DN100 [4"] CLASS 300 ASME B16.5 RFHB	305	SA-350-LF2 CL1	77	M,N
7	1	9700	FLANGE BLIND, DN100 [4"] CLASS 300 ASME B16.5 RF		SA-350-LF2 CL1	12.3	M,N
8	2		FLANGE, DN50 [2"] CLASS 300 ASME B16.5 RFLWN	229	SA-350-LF2 CL1	15.5	M,N
9	1	10819	GASKET, DN600 [24"] CLASS 300 ASME B16.5 RF SPIWND GRAPHITE FILLER		316SS		
10	24		STUD, 1 1/2" ø UNS	9 1/4"	SA-193-B7M		
11	48	10901	HEAVY HEX HEAD NUT, 1 1/2" ø UNS		SA-194-2HM		
12	1	10821	GASKET, DN100 [4"] CLASS 300 ASME B16.5 RF SPIWND GRAPHITE FILLER		316SS		
13	8	5394	STUD, 3/4" ø UNS	4 1/2"	SA-193-B7M		
14	16	5400	HEAVY HEX HEAD NUT, 3/4" ø UNS		SA-194-2HM		
15	2	6565	PLATE, 25.4 [1"] THK x 323 WD	327	SA-516-70N	10	M
16	2	10621	FLAT BAR, 6.35 [1/4"] THK x 76 WD	100	304L SS	0.55	
17	2	6566	SADDLE WEAR PLATE, 9.53 [3/8"] THK x 380 WD (ROLL TO 953 IR)	2218	SA-516-70N	63	M
18	2	6566	SADDLE BASE PLATE, 19 [3/4"] THK x 230 WD	1720	SA-516-70N	59	
19	1	6566	SADDLE WEB PLATE, 9.53 [3/8"] THK x 1247 WD	1674	SA-516-70N	113	
20	2	6566	SADDLE END PLATE, 9.53 [3/8"] THK x 200 WD (CUT TO SUIT)	1247	SA-516-70N	18.6	
21	2	6566	SADDLE RIB PLATE, 9.53 [3/8"] THK x 200 WD (CUT TO SUIT)	852	SA-516-70N	12.6	
22	1	6566	SADDLE RIB PLATE, 9.53 [3/8"] THK x 200 WD (CUT TO SUIT)	758	SA-516-70N	11	
23	1	6566	SADDLE WEB PLATE, 9.53 [3/8"] THK x 820 WD	1674	SA-516-70N	59.5	
24	2	6566	SADDLE END PLATE, 9.53 [3/8"] THK x 200 WD (CUT TO SUIT)	831	SA-516-70N	12.4	
25	2	6566	SADDLE RIB PLATE, 9.53 [3/8"] THK x 200 WD (CUT TO SUIT)	437	SA-516-70N	6.5	
26	1	6566	SADDLE RIB PLATE, 9.53 [3/8"] THK x 200 WD (CUT TO SUIT)	343	SA-516-70N	5.1	
27	2		NAME PLATE, FOREMOST STANDARD		SS		
28	2		NAME PLATE BRACKET, FOREMOST STANDARD		SA-516-70N		
29	4	6564	TIE DOWN LUG PLATE, 19.05 [3/4"] THK x 200 WD	550	SA-516-70N		

NOZZLE SCHEDULE

MK	NO.	SERVICE	SIZE	SCH	CLASS	TYPE	WELD DETAIL	EXT. PROJ.	MIN. INT. PROJ.	HOLE SIZE	REPAD	leg1	leg2	leg3	COMMENTS	ITEM NO.	CUT LENGTH
N6 (a/b)	2	HOT WATER	DN50 [2"]	–	300	RFLWN x 229 LG	W	180	MIN.		–	10	–	5	–	8	
N5c	1	EQUALIZATION	DN100 [4"]	–	300	RFHB x 305 LG	W	250	MIN.		–	10	–	5	–	6	
N5b	1	EQUALIZATION	DN100 [4"]	–	300	RFHB x 305 LG	W	250	MIN.		–	10	–	5	–	6	
N5a	1	EQUALIZATION	DN100 [4"]	–	300	RFHB x 305 LG	W	250	MIN.		–	10	–	5	–	6	
N4	1	SPARE	DN100 [4"]	–	300	RFHB x 305 LG	W	250	MIN.		–	10	–	5	c/w BLIND	6,7,12,13,14	
N3	1	LIQUID OUTLET	DN100 [4"]	–	300	RFHB x 305 LG	Y	250	FLUSH		–	10	–	–	–	6	
N2	1	VAPOUR OUTLET	DN150 [6"]	–	300	RFHB x 305 LG	W	250	MIN.		–	10	–	5	–	5	
N1	1	INLET	DN150 [6"]	–	300	RFHB x 305 LG	W	250	MIN.		–	10	–	5	–	5	
M1	1	MANWAY	DN600 [24"]	–	300	RFHB x 406 LG	W	SPEC.	60		–	10	–	5	c/w BLIND & DAVIT	3,4,9,10,11	

ASME B16.5 FLANGES

I – NON-PRESSURE, STRUCTURAL ATTACH. WELDS AND TACK WELDS

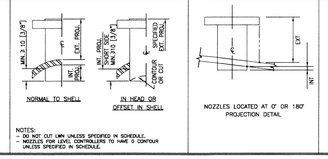
V – SEAMS

W – NOZZLE THRU SHELL / HEAD

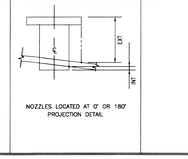
X – LONG & CIRC SEAMS

Y – NOZZLE FLUSH THRU SHELL/HEAD

	I	V	W	X	Y
WPS	MI-GSS-4	MI-GSS-4	MI-GSS-4	MI-GSS-4	MI-GSS-4
BEVEL	–	60° ± 10°	30° +10° -0°	60° ± 10°	30° +10° -0°
GAP	–	5 +3	5 +3	5 +3	5 +3
LAND	NONE	NONE	NONE	NONE	NONE



NOTES:
- DO NOT CUT LWN UNLESS SPECIFIED IN SCHEDULE.
- NOZZLES FOR LEVEL CONTROLLERS TO HAVE 0 CONTOUR UNLESS SPECIFIED IN SCHEDULE.



DESIGN NOTES

DESIGN CODE – ASME SECTION VIII, DIVISION 1 20 10 ADDENDA 2011a

DESIGN PRESSURE OR MAWP (HOT & CORRODED) 5068 kPag [735 Psig] DESIGN TEMPERATURE 38 °C [100 °F]

MAWP (HOT & CORRODED) LIMITED BY HEAD MIN. SPEC. THK.

MAWP EXT 104 kPa [15 psi] @ 66/-40°C [150/-40°F] 4

RADIOGRAPHY RT 1, UW-11(a) 100% ON BUTT-WELDED JOINTS JOINT EFFICIENCY SHELL 1.00, HEAD 1.00

POST WELD HEAT TREATMENT YES, SEE SHT.2 ADDITIONAL CODES CSA B51/09

CORROSION ALLOWANCE 3.2mm [1/8"]

HYDRO-TEST PRESSURE 6591 kPag (956 psig) (1.3 x MAWP)

SERVICE SOUR CAPACITY 25.889 cu.m [915 cu.ft]

WEIGHT:dry 22,500 kg [49,604 lbs] hydro 47,800 kg [105,381 lbs] design

OVERALL LENGTH 10,586 [34' 8 3/4"] OAL (REF) OVERALL HEIGHT 2,952 [9' 8 1/4"] OAL (REF)

MINIMUM DESIGN METAL TEMPERATURE -40 °C [-40 °F] @ MAWP

SEE SHT.2 FOR IMPACT TEST

PERMIT TO PRACTICE ALBERTA NO. P-12145

NO.	DATE (d/m/y)	REVISIONS	BY	APPD
4	10.1.14	ADDED MAWP EXT INFORMATION IN DESIGN NOTES	CY	EC
3	06/01/14	REVISED DRAWING NAME, AS BUILT	CY	EC
2	02/12/13	REVISED MAWP METRIC EQUIVALENT TO MATCH CRN	CY	EC
1	14/11/13	ADDED TIE DOWN LUGS	CY	JM
	16/10/13	ADDED INSULATION RINGS & NAME PLATES, ADDED "C" TO ITEM 1 & 2	IC	EC
		MOVED IN GROUNDING LUGS BY 10mm, ADDED FILLET WELD TO SADDLES		
0	02/10/13	ISSUED FOR CONSTRUCTION	PC	EC

THIS DRAWING IS THE PROPERTY OF FOREMOST UNIVERSAL LP AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY FOREMOST UNIVERSAL LP. REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.

FOREMOST

CLIENT: SUNCOR ENERGY c/o EQUINOX ENGINEERING LTD.
BOX 2844, 150 – 6th Ave. SW CALGARY AB T2P 3E3
KOBES C-97-G/94-B-9 WATER HANDLING

DWG TITLE: SLUG FINGER V-120 4
1829mm [72"] ID x 9144mm [30'-0"] S/S
GENERAL ARRANGEMENT

NO. REQ'D		WO. NO.	LEG NO.
1		030789	0,1,2,3
SCALE	DWN BY	DWG NO.	SHEET NO. / REV. NO.
1 : 30 UNO	P.CHANG	030789-D101	1 of 3 / 5
DATE (d/m/y)	CHK'D / APP'D		
20/09/13			

G:\DRAFTING\PROJECTS\030000-030999\030789 – SUNCOR – SLUG CATCHER\00.MI DRAWINGS\VESSELS\030789-D101

SURFACE PREPARATION AND PAINTING REQUIREMENTS

ITEM	BLAST	PRIMER	D.F.T.	FINISH	D.F.T.
INSULATED VESSEL EXTERIOR	SSPC-SP6	LIGHT GREY	4.0-6.0	WARM GREY	4.0-6.0
UNINSULATED VESSEL EXTERIOR	SSPC-SP6	LIGHT GREY	4.0-6.0	WARM GREY	4.0-6.0
VESSEL INTERIOR	N/A	N/A	N/A	N/A	N/A
APPURTENANCES	-	-	-	-	-
PROTUSIONS	-	-	-	-	-
SADDLE	SSPC-SP6	LIGHT GREY	4.0-6.0	WARM GREY	4.0-6.0
LADDERS	N/A	N/A	N/A	N/A	N/A
PLATFORMS	N/A	N/A	N/A	N/A	N/A
INTERNAL PIPING	-	-	-	-	-
EXTERNAL PIPING	N/A	N/A	N/A	N/A	N/A
UNINSULATED PIPING	N/A	N/A	N/A	N/A	N/A
SKID	N/A	N/A	N/A	N/A	N/A

NOTES:

1. PRIME GREY OVER CLEAN MILL SCALE (NO BLAST).
2. REFER TO PAINTING SCHEDULE

HEAT TREATMENT

GOVERNING COMPONENT: HEAD

GOVERNING WELD THICKNESS: 44.45 [1 3/4"]

TYPE OF HEAT TREATMENT REQUIRED: POST WELD

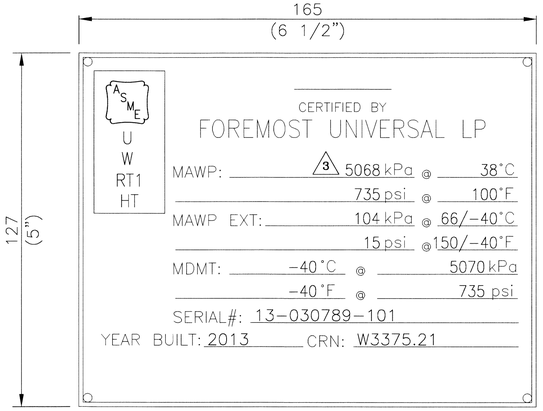
INSTRUCTIONS

1. TEMPERATURE TO BE RAISED FROM 800°F TO 1150±50°F AT A MAXIMUM RATE OF 225°F PER HOUR.
2. TEMPERATURE TO BE HELD AT 1150±50°F FOR 1 HOUR 45 MINUTES.
3. TEMPERATURE TO BE LOWERED FROM 1150±50°F TO 800°F AT A MAXIMUM RATE OF 285°F PER HOUR.
4. PLACEMENTS AND LOCATIONS OF THERMOCOUPLES: AS PER ASME VIII, DIV 1, UW-40(c).
5. ADDITIONAL REQUIREMENTS: N/A

FABRICATION NOTES

1. ALL FLANGE RATINGS TO BE ASME B16.5 – 2009.
2. FLANGE AND BOLT HOLES TO STRADDLE PRINCIPAL CENTRELINES OF VESSEL.
3. ALL DIMENSIONS ARE IN S.I. (mm). UNITS OF MEASUREMENT IN [BRACKETS] ARE IMPERIAL HARD CONVERSIONS FOR SHOP REFERENCE ONLY AND PURCHASING REFERENCE ONLY.
4. NO WELDING OR HEATING TO CORRECT MISALIGNMENT SHALL BE PERMITTED AFTER PWHT.
5. TACK WELDS TO BE REMOVED DURING ROOT PASS.
6. L.S. = LONGITUDINAL SEAM
   F.S. = FAR SIDE
7. HEAD TO SHELL JOINT TO BE TRANSITIONED AS PER UW-9(c).
8. RADIUS EXPOSED INSIDE EDGES AS PER UG-76(c).
9. ALL MATERIAL AND WELDER IDENTIFICATION SHALL BE WITH LOW STRESS STAMPS.
10. FABRICATION TOLERANCES SHALL BE IN ACCORDANCE WITH TOLERANCE DRAWINGS (EDS-6070 LATEST REV., EDS-6071 LATEST REV. & MI-PVTOL-01 REV.).
11. PERMANENT BACKING RINGS ARE NOT PERMITTED.
12. ITEMS FORMED BY OTHERS MUST COMPLY WITH UG-79 & REFERENCED PARAGRAPHS. I.E. HEADS & SHELLS.
13. WELD GAPS TO BE 0 TO 5 [0 TO 3/16"] MAXIMUM
14. MI-GSS-2 REV.1, MI-GSS-4 REV.1, CA-TIG-6 REV.3 CA-PIPB1-1 REV.5, CSA-W47.1, CSA-W59 WELD PROCESURES INCLUDE PREHEAT TO 200°F
15. NO DIFFERENT 'P' NUMBER WELDED TO PRESSURE ENVELOPE PER SOUR SPEC. 4.1.6

NAMEPLATE DETAIL



REGISTRATION

REGISTERED IN THE PROVINCE(S) AB AND BC

CRN NUMBER W3375.21

MFR SERIAL NUMBER 13-030789-101

INSULATION REQUIREMENTS

ITEM	INSULATION TYPE	THK.	CLAD TYP.	THK.
VESSEL	FIBREGLASS	51 [2"]	STUCCO EMBOSSED SMOOTH ALUMINUM CLADDING 4	0.020

NOTES:

HYDROTEST REQUIREMENTS

1. VESSEL SHOULD BE HYDROTESTED IN THE HORIZONTAL POSITION AND SHALL BE ADEQUATELY SUPPORTED TO PREVENT WEIGHT DEFORMATION.
2. HYDROTEST PRESSURE SHALL BE MAINTAINED FOR A MINIMUM OF ONE(1) HOUR.
3. UPON COMPLETION OF HYDROTEST, VESSEL SHALL BE COMPLETELY DRAINED OF ALL WATER.
4. HYDROTESTING SHALL BE CARRIED OUT ON THE VESSEL BEFORE IT IS EXTERNALLY PAINTED.

MATERIAL REQUIREMENTS

SHELL

MATERIAL SA-516-70N

HEADS

1. MATERIAL SA-516-70N TYPE 2:1 SE
2. MATERIAL SA-516-70N TYPE 2:1 SE
3. MATERIAL TYPE

FLANGE SA-350-LF2 CL1 PIPE SA-333-GR.6

WELD FITTINGS SA-420-WPL6 FIRETUBE N/A

NONPRESSURE G40.21/300W/SA-516-70N FIRETUBE N/A

WELDOLET N/A THREDOLET N/A

STUD BOLTS SA-193-B7M HEX NUTS SA-194-2HM

GASKETS 316SS SPWND GRAPHITE FILLER

NOTES:

1. -ITEMS IDENTIFIED WITH AN 'M' ARE ATTACHED TO PRESSURE ENVELOPE AND REQUIRE IDENTIFICATION IN ACCORDANCE WITH Q.C. MANUAL
   -ITEMS IDENTIFIED WITH AN 'I' ARE IMPACT TESTED, SEE INSPECTION AND TESTING NOTE E
   -ITEMS IDENTIFIED WITH 'C' WILL MEET NACE MR0175/ISO 15156 OR CSA Z245 COMPLIANT FOR SOUR SERVICE
   PLATE: FINE GRAIN PRACTICE, FULL KILLED, NORMALIZED, SA-516-70 S = 0.003 % MAX.

FIREPROOFING REQUIREMENTS

ITEM	INSULATION TYPE	THK.

NOTES:

OTHER NOTES

MARKING AND PREPARATION FOR SHIPMENT

1. ALL FLANGED OPENINGS SHALL BE PROTECTED WITH WOODEN OR STEEL BLINDS TO PREVENT THE ACCUMULATION OF DIRT AND OTHER DEBRIS DURING SHIPPING.
2. VESSEL SHALL HAVE THE WORDS "DO NOT WELD ON VESSEL – PWHT" STENCIL PAINTED ON IT IN LARGE (6") WHITE LETTERS IN 2 PLACES PRIOR TO SHIPPING.
3. ALL REMOVABLE PIECES TO BE MARKED WITH EQUIPMENT TAG NUMBER.
4. VESSEL MUST BE COMPLETELY CLEAN AND DRY BEFORE BEING SEALED FOR SHIPMENT. (NO HYDROCARBON FILM, MILL SCALE, HEAVY RUST, DIRT & SPLATTER.)

INSPECTION AND TESTING

A. QUALIFICATIONS
   1. ALL NON-DESTRUCTIVE EXAMINATIONS SHALL BE CONDUCTED AND/OR INTERPRETED BY PERSONNEL CERTIFIED IN ACCORDANCE WITH CGSB AND SNT-TC-1A LEVEL II.

B. VISUAL EXAMINATION
   1. EXAMINATION AND ACCEPTANCE CRITERIA SHALL BE IN ACCORDANCE WITH ASME SECTION V (ARTICLE 9) AND ASME VIII DIV.1 RESPECTIVELY.
   2. 100% VISUAL EXAMINATION IS REQUIRED FOR ALL WELDING.

C. RT INSPECTION
   1. RADIOGRAPHIC EXAMINATION AND ACCEPTANCE CRITERIA SHALL BE IN ACCORDANCE WITH ASME SECTION V (ARTICLE 2) AND ASME SECTION VIII, DIV.1 PARA UW-11(a) 100%, INCLUDING ALL CAT. B & C BUTTWELDS.
   2. 100% RADIOGRAPHY – BEFORE AND AFTER PWHT
      – ALL CATEGORY A AND B WELDS

D. MPI:
   – HEAD KNUCKLE CONVEX SIDE AFTER FORMING
   – BEFORE AND AFTER PWHT
      – ALL FILLET WELDING, LIFTING LUGS, INTERNAL AND EXTERNAL ATTACHMENTS
      – ALL TEMPORARY ATTACHMENT REMOVAL

E. IMPACT TESTING:
   L.C.V.N. TEST HEAD/SHELL PLATES & PRODUCTION WELDS TO 15/10 ft-lb @ -40 °F PER UG-84.

F. UT:
   -HEAD/SHELL PLATE ON 100mm GRID TO SA-587 LEVEL 'B' ACCEPTANCE
   – CATEGORY D WELDS 2

G. HYDROTEST x 1.3 MAWP

1

NO.	DATE (d/m/y)	REVISIONS	BY	APPD
4	6.1.14	REVISED DRAWING NAME & INSULATION TYPE, AS BUILT	CY	EC
3	02/12/13	REVISED MAWP METRIC EQUIVALENT TO MATCH CRN	CY	EC
2	23/10/13	DELETED UT PRIOR TO ALL NOZZLE CUT OUTS	LZ	EC
1	10/10/13	REMOVED STANDARD PROCESS DATA FIELD AS PER CUSTOMER REQUEST	IC	EC
0	02/10/13	ISSUED FOR CONSTRUCTION	PC	EC

THIS DRAWING IS THE PROPERTY OF FOREMOST UNIVERSAL LP AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY FOREMOST UNIVERSAL LP. REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.

FOREMOST

CLIENT

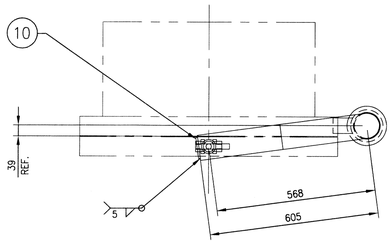
SUNCOR ENERGY c/o EQUINOX ENGINEERING LTD.
BOX 2844, 150 – 6th Ave. SW CALGARY AB T2P 3E3
KOBES C-97-B WATER HANDLING

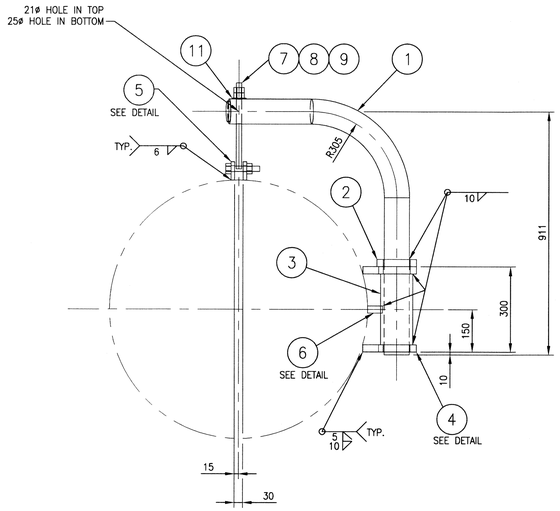
DWG TITLE

SLUG FINGER VC-T20 4
1829mm [72"] I.D. X 9144mm [30'-0"] S/S
DATA SHEET

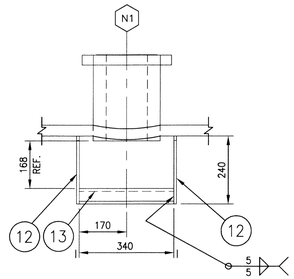
NO. REQ'D		WO. NO.	LEG NO.	
		030789		
SCALE	DWN BY	DWG NO.	SHEET NO.	REV. NO.
	P.CHANG	030789-D101	2 OF 3	4
DATE (d/m/y) 20/09/13	CHKD KC 06/01/14 APPD			

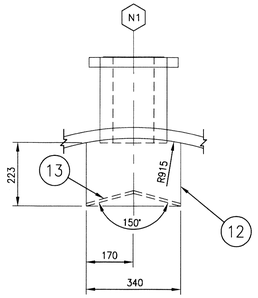
G:\DRAFTING\PROJECTS\030000-030999\030789 - SUNCOR - SLUG CATCHER\00.MI DRAWINGS\VESSELS\030789-D101



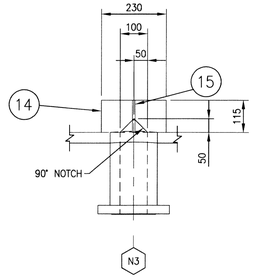


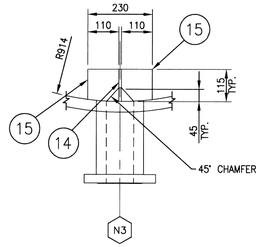
DAVIT DETAIL
1:10
(DAVIT ASSEMBLY WITHOUT TILT)



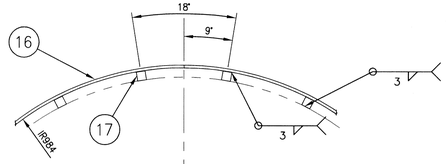


INLET DEFLECTOR DETAIL
1:10

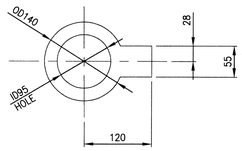




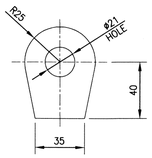
VORTEX BREAKER DETAIL
1:10



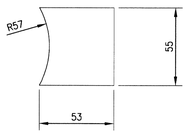
1 INSULATION RING DETAIL
SCALE 1:10
(2 REQUIRED)



ITEM #4 DETAIL
1:5
(2 REQ'D)



ITEM #5 DETAIL
1:2
(2 REQ'D)



ITEM #6 DETAIL
1:2

MATERIAL LIST

MATERIAL REQUIREMENTS

M (MTR's): I (IMPACT TESTING): C (CHEMISTRY):
MTR's REQUIRED AND MATERIAL IDENTIFIED AS PER Q.C. MANUAL
YES, SEE SHT.2
NO

MK	QTY	PART NO.	DESCRIPTION	LENGTH	MATERIAL	WT	MAT REQ
1	1	2237	PIPE, DN80 [3"] SCH XH SMLS	1380	SA-106-B	21	
2	1	10632	PLATE, 25.4 [1"] THK x 95 ID x 140 OD	–	G40.21/300W	1.7	
3	1	3529	PIPE, DN100 [4"] SCH 120 SMLS	250	SA-106-B	7.0	
4	2	10632	PLATE, 25.4 [1"] THK x 140 WD	190	G40.21/300W	2.2	M
5	2	3125	PLATE, 12.7 [1/2"] THK x 50 WD	65	SA-516-70N	0.2	M
6	1	6565	PLATE, 25.4 [1"] THK x 53 WD	55	SA-516-70N	0.5	M
7	1		SPAE-NAUR, 19 [3/4"] ø x 356 [14"] LG EYE BOLT	–	CAD PLATED		
8	3	10936	HEX NUT, 19 [3/4"] ø CAD PLATED	–	GR.5		
9	1	10932	BOLT, 19 [3/4"] ø CAD PLATED	3 1/2"	GR.5		
10	1	2490	PLATE, 6.35 [1/4"] THK x 75 ø OD	–	G40.21/300W	0.2	
11	1	10940	WASHER, 19 [3/4"] ø CAD PLATED	–	GR.5		
12	2	6566	PLATE, 9.53 [3/8"] THK x 240 WD (CUT TO SUIT)	340	SA-516-70N	5.8	M
13	1	6566	PLATE, 9.53 [3/8"] THK x 340 WD (BEND AS SHOWN)	350	SA-516-70N	8.7	M
14	1	6566	PLATE, 9.53 [3/8"] THK x 115 WD (CUT AS SHOWN)	230	SA-516-70N	1.8	M
15	2	6566	PLATE, 9.53 [3/8"] THK x 110 WD (CUT AS SHOWN)	115	SA-516-70N	0.9	M
16	2	2142	ROUND BAR, 9.53 [3/8"] ø, ROLL TO 984 IR	6250	SA-36	7.0	
17	40	4349	PLATE, 6.35 [1/4"] THK x 32 SQUARE		SA-516-70N	2.0	M

NO.	DATE (d/m/y)	REVISIONS	BY	APPD
2	6.1.14	REVISED DRAWING NAME, AS BUILT	CH	EC
1	16/10/13	ADDED INSULATION RING DETAIL, REVISED ITEM 3 FROM SCH XH	IC	EC
0	02/10/13	ISSUED FOR CONSTRUCTION	PC	EC

THIS DRAWING IS THE PROPERTY OF FOREMOST UNIVERSAL LP AND IS TO BE USED ONLY IN CONJUNCTION WITH PERFORMANCE OF WORK BY FOREMOST UNIVERSAL LP. REPRODUCTION OR USE OF IN WHOLE OR IN PART FOR ANY OTHER PURPOSE IS EXPRESSLY FORBIDDEN.

FOREMOST

CLIENT
SUNCOR ENERGY c/o EQUINOX ENGINEERING LTD.
BOX 2844, 150 – 6th Ave. SW CALGARY AB T2P 3E3
KOBES C-97-G/94-B-9 WATER HANDLING

DWG TITLE
SLUG FINGER V-120 (2)
1829mm [72"] ID x 9144mm [30'-0"] S/S
INTERNAL DETAILS

NO. REQ'D		WO. NO.	LEG NO.
1		030789	4,5,6
SCALE	DWN BY	DWG NO.	SHEET NO. / REV. NO.
1 : 30 UNO	P.CHANG	030789-D101	3 OF 3 / 2
DATE (d/m/y)	CHKD / APPD		
18/09/13			

G:\DRAFTING\PROJECTS\030000-030999\030789 – SUNCOR – SLUG CATCHER\00.MI DRAWINGS\VESSELS\030789-D101